

20020730.qrp v02_n632.qrl.20020730

Date: Tue, 30 Jul 2002 19:03:09 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2632

QRP-L Digest 2632

Topics covered in this issue include:

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by Dave Voltmer <david.r.voltmer@rose-hulman.edu>
- 2) [130987] O'Scope gurus - help?
by "Tracy Markham" <tracy@bytemark.com>
- 3) [130988] RE: 88' wire - Conjugate Matching Demonstration
by "Marty N5NW" <n5nw@n5nw.org>
- 4) [130989] Re: PSK31 BW
by "Marty N5NW" <n5nw@n5nw.org>
- 5) [130990] O'Scope help
by "Tracy Markham" <tracy@bytemark.com>
- 6) [130991] oops
by "Tracy Markham" <tracy@bytemark.com>
- 7) [130992] FS: Ten-Tec Argosy and IC-735
by "Ward Silver" <hwardsil@centurytel.net>
- 8) [130993] Sampling audio waves such as voice
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 9) [130994] Re: Coax Adapter Loss -- Mostly Myth
by "James R. Duffey" <jamesd1@flash.net>
- 10) [130995] Re: Coax Adapter Loss -- Mostly Myth
by Rick McKee <kc8aon@juno.com>
- 11) [130996] Wanted = SST-20 rig
by "wilford lindsey" <dock0evz@earthlink.net>
- 12) [130997] Re: O'Scope gurus - help?
by David Hinerman <WD8CIV@worldnet.att.net>
- 13) [130998] Correction to Special Guest at NorCal Meeting this Sunday
by "Doug Hendricks" <ki6ds@dospalos.org>
- 14) [130999] HB:SBL-1 mixers
by "w8diz" <w8diz@fpqrp.com>
- 15) [131000] Where to get QRP Plus fixed now?
by Jeff <fantbb@yahoo.com>
- 16) [131001] RE: Coax Adapter Loss -- Mostly Myth
by "Hap, WA3PTG" <wa3ptg@comcast.net>
- 17) [131002] Flight of the Bumblebees - Preliminary Soapbox (Long)
by "John Huffman" <hjohnc@core.com>
- 18) [131003] New Pictures on Elecraft Gallery page
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 19) [131004] Re: Counterpoise Question

- by "Bob Tellefsen" <n6wg@earthlink.net>
- 20) [131005] RE: CAUTION
by "Dean Rachwitz" <drachwitz@cox.net>
- 21) [131006] Re: Coax Adapter Loss -- Mostly Myth
by "Mike Yetsko" <myetsko@insydesw.com>
- 22) [131007] Re: O'Scope gurus - help?
by "Bob Tellefsen" <n6wg@earthlink.net>
- 23) [131008] Re: Rock-Mite Straight Key Mode Problem
by "Rod N0RC" <rod@n0rc.us>
- 24) [131009] Re: Coax Adapter Loss -- Mostly Myth
by "Russ Hines" <wb8zcc@one.net>
- 25) [131010] Re: New Pictures on Elecraft Gallery page
by "Mike Yetsko" <myetsko@insydesw.com>
- 26) [131011] NorCal Doublet with 300 Ohm Line?
by "Mike Duke, K5XU" <k5xu@netdoor.com>
- 27) [131012] RE: Coax Adapter Loss -- Mostly Myth
by Karl Kanalz <kkanalz@gcecispc.com>
- 28) [131013]
by Tim and Michele Groat <tmgroat@peakpeak.com>
- 29) [131014] need some help with technical German
by <mgoins@usa.net>
- 30) [131015] OT: mobile power wire size?
by "Dave Benham" <dodgeboy@mindspring.com>
- 31) [131016] Re: Meter for SWR meter
by Don <dwittlic@apci.net>
- 32) [131017] Flight Of Bumblebees -and BLACK FLIES
by "ss lyon" <sslyon@megalink.net>
- 33) [131018] Re: ZM-2's
by Ade Weiss W0RSP <adeweiss@sd.value.net>
- 34) [131019] FS NIB FT-817 Accessories
by "SAAD MAHAINI" <N5FF@attbi.com>
- 35) [131020] RE: Black in the Fiberglass
by Ade Weiss W0RSP <adeweiss@sd.value.net>
- 36) [131021] Re: mobile power wire size?
by "fred toth" <fctoth@attglobal.net>
- 37) [131022] FCC Rulebook -What has changed?
by "Chetan Bhargava" <wiz@bhargavaz.net>
- 38) [131023] Re: HB:SBL-1 mixers
by "Leon Heller" <leon_heller@hotmail.com>
- 39) [131024] Persumed to be a virus from QRP ARCI
by Chuck Adams <k7qo@earthlink.net>
- 40) [131025] Message from American Morse Equipment (Doug Hauff)
by "Dave Fifield" <dave@redhotradio.com>
- 41) [131026] Re: Small QRP receiver...Don't forget the MRX
by "Dave Fifield" <dave@redhotradio.com>
- 42) [131027] Re: Coax Adapter Loss -- Mostly Myth
by "Steve Baker" <k8pz@earthlink.net>
- 43) [131028] Most Wanted States

by Joseph Mikuckis <k3chp@erols.com>
44) [131029] RE: 88' wire - Conjugate Matching Demonstration
by Bill ROWLETT <kc4atu@yahoo.com>
45) [131030] RE: O'Scope help
by "AI2Q Alex" <ai2q@adelphia.net>
46) [131031] Re: mobile power wire size?
by "Mike Yetsko" <myetsko@insydesw.com>
47) [131032] Re: FCC Rulebook -What has changed?
by "Charles Mabbott" <aa8vs@msn.com>
48) [131033] Re: O'Scope gurus - help?
by "jhecht@dnaco.net" <jhecht@dnaco.net>
49) [131034] Re: Persumed to be a virus from QRP ARCI
by "Karl F. Larsen" <k5di@zianet.com>
50) [131035] Re: Coax Adapter Loss -- Mostly Myth
by W2EB <w2eb@twcnny.rr.com>
51) [131036] Re: New Pictures on Elecraft Gallery page
by David Hinerman <WD8CIV@worldnet.att.net>
52) [131037] Rock-mite keyer- darn!
by "Dave Benson" <nn1g@earthlink.net>
53) [131038] Re: FCC Rulebook -What has changed?
by "Karl F. Larsen" <k5di@zianet.com>
54) [131039] RE:BNC's Constant Impedance
by Karl Kanalz <kkanalz@gcecispc.com>
55) [131040] stores in Boston area?
by David Hinerman <WD8CIV@worldnet.att.net>
56) [131041] Re: Coax Adapter Loss -- Mostly Myth
by "Rick Tyler" <rp.tyler@worldnet.att.net>
57) [131042] UPDATED: the Rock-Mite files
by "Rod N0RC" <rod@n0rc.us>
58) [131043] One more BB - #46
by Gary Slagel <gdslagel@yahoo.com>
59) [131044] RE:BNC's Constant Impedance
by "W2WU" <w2wurjj@verizon.net>
60) [131045] Get Ready to "ROCK-MITE" was Re: Rock-mite keyer- darn!
by "Rod N0RC" <rod@n0rc.us>
61) [131046] Re: New Pictures on Elecraft Gallery page
by "K7FD N7SG" <k7fd@hotmail.com>
62) [131047] help requested-> What RX to build to match OLD MFJ station
by brewerj@squared.com
63) [131048] RE: Responses To My Patcomm Query
by "Jerry Bartachek" <leadsheet@musician.org>
64) [131049] Keypad for Frequency Entry
by Howard Wilson <wa2ncf@juno.com>
65) [131050] Re: Coax Adapter Loss -- Mostly Myth
by Mike <mmorrow@companet.net>
66) [131051] MRX-40 input filter
by "Leon Heller" <leon_heller@hotmail.com>
67) [131052] Re: OT: mobile power wire size?

- by William R Colbert <w5xe@juno.com>
- 68) [131053] meter (and case) for portable swr meter
by Steven Weber <kd1jv@moose.ncia.net>
- 69) [131054] Re: (88' doublet) RE: Conjugate Matching Demonstration
by Bill Coleman <aa4lr@arrl.net>
- 70) [131055] Re: Responses To My Patcomm Query
by Ed Lawson <k1vp@grizzly.com>
- 71) [131056] Re: Most Wanted States
by brian@iquest.net
- 72) [131057] Re: (88' doublet) RE: Conjugate Matching Demonstration
by "Tim, N9PUZ" <n9puz@arrl.net>
- 73) [131058] NEQRP SSB NET tonight Tuesday 7:30PM EDST 7.285Mhz +- 5Khz
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
- 74) [131059] Re: Get Ready to "ROCK-MITE" was Re: Rock-mite keyer- darn!
by "Karl F. Larsen" <k5di@zianet.com>
- 75) [131060] Counterpoise
by <jfox6@houston.rr.com>
- 76) [131061] WTB: Norcal NC-20/40 or Red Hot 40
by "Alan Fryer" <N3BJ@hotmail.com>
- 77) [131062] SLV question
by Bruce Rattray <rattray@gpfn.sk.ca>
- 78) [131063] Re: Responses To My Patcomm Query
by Tim ORourke <TORourke@kaiserft.com>
- 79) [131064] Re: stores in Boston area?
by "Mark J. Dulcey" <mark@buttery.org>
- 80) [131065] Re: meter (and case) for portable swr meter
by K5BDZ@aol.com
- 81) [131066] RE: O'Scope gurus - help?
by "Tracy Markham" <tracy@bytemark.com>
- 82) [131067] Alinco DR 570 FS
by "johngabbard" <johngabbard@usintouch.com>
- 83) [131068] RE: Most Wanted States = *North Dakota*
by "wilford lindsey" <dock0evz@earthlink.net>
- 84) [131069] RE: Most Wanted States = *North Dakota*
by Jim Crooke <crooke@prodigy.net>
- 85) [131070] RE: Most Wanted States = *Wyoming*
by W2AGN <w2agn@w2agn.net>
- 86) [131071] VE3ELA/VE3JC Bee Report
by "Ken La Rose" <kenlar@csolve.net>
- 87) [131072] RE: Most Wanted States = *Wyoming*
by "Charles Mabbott" <aa8vs@msn.com>
- 88) [131073] Random-Length Long Wires - How Long?
by Rich McGee <rmcgee@csusb.edu>
- 89) [131074] Alinco mobile FS
by "johngabbard" <johngabbard@usintouch.com>
- 90) [131075] RE: Random-Length Long Wires
by Karl Kanalz <kkanalz@gcecispc.com>
- 91) [131076] Re: stores in Boston area?

- by "Mike Yetsko" <myetsko@insydesw.com>
- 92) [131077] Re: Random-Length Long Wires - How Long?
by Bruce Muscolino <w6toy@erols.com>
- 93) [131078] Re: Patcomm website
by Bob Nielsen <nielsen@oz.net>
- 94) [131079] Re: Sampling audio waves such as voice
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 95) [131080] Re: Patcomm website
by David Hinerman <WD8CIV@worldnet.att.net>
- 96) [131081] Re: Patcomm website
by W2AGN <w2agn@w2agn.net>
- 97) [131082] Re: Most Wanted States
by Larry Cahoon <lejek@erols.com>
- 98) [131083] Re: Where to get QRP Plus fixed now-I have some info.
by ve3ab@mail.mondenet.com
- 99) [131084] Re: Persumed to be a virus from QRP ARCI
by Fred Lesnick <flesnick@tbaytel.net>
- 100) [131085] Re: SBL-1
by "w8diz" <w8diz@fpqrp.com>
- 101) [131086] Re: MRX-40 input filter
by "Bob Tellefsen" <n6wg@earthlink.net>
- 102) [131087] Re: mobile power wire size?
by "John J. McDonough" <wb8rcr@arrl.net>
- 103) [131088] RE: Most Wanted States = *North Dakota*
by "Bob Tellefsen" <n6wg@earthlink.net>
- 104) [131089] Ft. Tuthill
by "Jerry Parker" <qrprradio@charter.net>
- 105) [131090] HB: SWR meter and VOM
by Steven Weber <kd1jv@moose.ncia.net>
- 106) [131091] Re: mobile power wire size?
by Rick McKee <kc8aon@juno.com>
- 107) [131092] RE: Most Wanted States = *North Dakota*
by "wilford lindsey" <dock0evz@earthlink.net>
- 108) [131093] Re: Coax Adapter Loss -- Mostly Myth
by Rick McKee <kc8aon@juno.com>
- 109) [131094] RE: SWR meter and VOM
by Conrad Weiss <radman@best.com>
- 110) [131095] Re: Coax Adapter Loss -- Mostly Myth
by "Mike Yetsko" <myetsko@insydesw.com>

Date: Mon, 29 Jul 2002 18:26:52 -0500
From: Dave Voltmer <david.r.voltmer@rose-hulman.edu>
To: qrp-l@lehigh.edu
Subject: [130986] NorCal40 Transceivers
Message-ID: <4.3.2.7.0.20020729181847.00d20b40@email.rose-hulman.edu>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Howdy,

I have about a dozen NorCal40 transceivers for sale. These transceivers were constructed, fully tested (as outlined in Dave Rutledge's excellent book, The Electronics of Radio), and have been used to make at least one contact by electrical and computer engineering seniors. The un-assembled kit sells for \$129; these units are available for \$120 postage paid. If you want to buy several, the price is negotiable.

I will be rather busy for the next two weeks and may not respond immediately.

Professor David Voltmer, KB9ZGO
Electrical and Computer Engineering
Rose-Hulman Institute of Technology
5500 Wabash Avenue, Box 116
Terre Haute, IN 47803
812-877-8289 Office
812-877-8895 FAX

Date: Mon, 29 Jul 2002 16:32:44 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [130987] O'Scope gurus - help?
Message-ID: <GNEOLGDJDOPEALHJMKLCCENFCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hey guys,

I just picked up a Hitachi V-212 20 MHz scope for \$10. Couldn't pass it by ...

It seems to work, but I have no probes and was wondering if anyone could help me with some basics.

It has a trace, it goes faster or slower when setting the mS knob ... great. The Intensity and Focus work. Great. The left / right 'Position' works. But the up/down 'Position' control makes no difference except for a very slight left / right movement.

It's a dual-trace scope, (I think?) or at least it has two channels so I know there should be some setting to have both traces run on the screen, right?

I've beat google to death with 'hitachi V 212' but can't seem to find a manual. Not bad for \$10 if I can fix it, as I'm sure it's got some problem that won't let the vertical position be adjusted.

Any suggestions? A scope in the shack will make some things kinda cool.

Another learning 'sperience!
Tracy N4LGH

Date: Mon, 29 Jul 2002 19:37:16 -0400
From: "Marty N5NW" <n5nw@n5nw.org>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [130988] RE: 88' wire - Conjugate Matching Demonstration
Message-ID: <NGBBIMJEELMGMFPMHEAGAELDCBAA.n5nw@n5nw.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

While the 88' length isn't appropriate in every application (what antenna is?) the length is a bit on the magical (ok, the "ooooh, aaaahhh") side. It is (according to Cebik) the shortest length one can get reasonable efficiency on 80m (3/8 wave) while maintaining a two-lobe (side) pattern on 20m. Longer antennas (such as the 102' and 135' doublets) exhibit the cloverleaf patterns on 20m with four distinct nulls rather than 2. Cebik did his model at 70', a reasonable height for a tree support. Lower obviously skews the pattern.

But gain is all about pattern control and placement.

I live in a city on a 1/3 acre lot, only half of which is usable (the other half is cliffside, a 50 ft. drop or so). But I can put in an 88' antenna a whole lot easier than a 135'. The nulls will always be there on the higher bands. I get Europe in my configuration, at the expense of Indonesia and Western Australia. But that holds true because I can orient the antenna at about 300 deg/120 deg and have most (not all) of the nulls over uninhabited ocean. Plus, all the trees are around 70' tall or so (including the dead one that was removed that was in the way of all my antenna plans).

The 88' is a compromise, at least on the upper bands, until I can get a tower and small beam up next spring/summer.

You are correct, the antenna isn't a panacea. However it is an effective antenna on 80-20m, and can be used successfully from many locations.

--

73 de N5NW/8 (Marty)
Bellbrook, Ohio

Date: Mon, 29 Jul 2002 19:40:50 -0400
From: "Marty N5NW" <n5nw@n5nw.org>
To: "QRP" <qrp-l@lehigh.edu>
Subject: [130989] Re: PSK31 BW
Message-ID: <NGBBIMJEELMGFMHEAGEELDCBAA.n5nw@n5nw.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I did misread the author's intent. My apologies. Nice to know they haven't amended the laws of physics yet. :)

--

73 de N5NW/8 (Marty)
Bellbrook, Ohio

Date: Mon, 29 Jul 2002 16:38:11 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [130990] O'Scope help
Message-ID: <GNEOLGDJDOPEALHJMKLCIENFCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hey O'Scope gurus ...

I picked up a Hitachi V-212 for \$10 this weekend at a swap. There's a trace, the intensity and focus works, the trace goes faster / slower according to the mS/Div knob, but the Vertical Position knob does nothing.

Any pointers on where to start? Looks like another learning experience. It would be nice to have a small scope in the shack for audio work and stuff.

Tracy N4LGH

Date: Mon, 29 Jul 2002 16:43:47 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [130991] oops
Message-ID: <GNEOLGDJDOPEALHJMKLCGENGCHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Sorry for posting that twice - thought I still had my HTML on ...

Tracy N4LGH

Date: Mon, 29 Jul 2002 23:48:52 -0000
From: "Ward Silver" <hwardsil@centurytel.net>
To: <qrp-l@lehigh.edu>
Subject: [130992] FS: Ten-Tec Argosy and IC-735
Message-ID: <053301c2375a\$7e90d340\$27d7fea9@mirage>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

It is finally time for me to part with my trusty Ten-Tec Argosy 525 (analog dial) and IC-735.

The Argosy...

- covers 80-10, including 30-meters, but not 17 or 12-meters

- outputs CW/SSB with 5-watt or 50-watt peak output controlled by back-panel switch
- is complete with 500 Hz CW filter and noise blanker options
- includes a heavy-duty computer-type power supply in a cabinet capable of running additional accessories
- comes with manual and Ten-Tec tuning tools
- modifications:
 - changed AGC loop capacitor for better attack characteristics
 - mixer diodes changed to HP PIN diodes for better sensitivity
 - no PCBs were harmed in the making of the modifications
- repairs:
 - shortly after delivery in 1981, the output amp xstrs died and were replaced by the dealer, no problems since
 - the elastic dial cord stopped being elastic, so I replaced it - the dial is smooth as silk
 - cosmetically, the front panel is 9.5 out of 10 and the top cover has some scuffs
- power output (band - lo/hi watts): 80 - 7/55, 40 - 7/58, 30 - 7/70, 20 - 5/50, 15 - 6/55, 10 - 6/48
- the price is \$350, shipped and insured in the CONUS

The IC-735...

- covers 160-10, including a general-coverage receiver, and requires +12 VDC power (not included)
- outputs CW/SSB/FM/AM with 5-100 watt adjustable output
- includes preamp, mic compressor, RIT, memories, etc.
- has the 500 Hz CW filter
- comes with manual, hand-mic, and a homebrew serial interface for the ICOM CI-V control interface
- no modifications have been made
- I replaced the 80 and 40-meter receive PIN diodes once thinking they were bad, but they weren't - problem elsewhere
- comes with the Original Shipping Carton and yes, it has the little plastic door that covers the slide controls
- cosmetically, the rig is 9.5 out of 10
- the price is \$450, shipped and insured in the CONUS

Both of these are fine radios - I just see no need to have them taking up space around the shack. They have both worked well for many years.

I can take PayPal, a bank check, or money order.

73, Ward N0AX

Date: Mon, 29 Jul 2002 18:51:04 -0500

From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <n5nw@n5nw.org>
Cc: <qrp-1@lehigh.edu>
Subject: [130993] Sampling audio waves such as voice
Message-ID: <033901c2375a\$ccdf3640\$4e100a0a@rohredt2000>

Marty, if you had a 2000 Hz band of audio, by Claude Shannon's sampling theorem which is the basis of digitizing work, you have to have TWO samples per cycle or 4000, not 2000 in your example. I have had many years in the A/D business, and ran some experiments years ago to see if you could shave that 2 sample limit. You cannot go much under 2 samples or things go bad in a hurry, as to intelligibility. Now, granted, that was before digital filtering, but there is a lower limit on sampling, and PSK is designed for a keyboard mode. 50 wpm is a pretty good sustained clip. PSK 31 is ideal for RTTY type casual QSO keyboard to keyboard. The great thing is that you can pull a QSO out from underneath the audible noise.

There will have to be other methods used for digital voice, and we will have to see what DSP tricks might be able to accomplish. One of the ideas is to break voice up into frequency bands, and remove redundant components of the speech.

72, Stuart K5KVH

Date: Mon, 29 Jul 2002 18:20:29 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: "nkennedy@tcainternet.com" <nkennedy@tcainternet.com>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [130994] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <B96B37ED.19EEA%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Well the black plastic thing seems easy to resolve. Get a black, plastic RCA connector. Connect one end to a dummy load. Connect the other to a transmitter. Transmit for a while. If the black plastic gets hot it is lossy. If it doesn't get hot, it will be OK for Ham use. - Dr. Megacycle
KK6MC/5

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Mon, 29 Jul 2002 20:41:59 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [130995] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <20020729.204204.9086.2.kc8aon@juno.com>

YUCK ! OH NO! THROW THAT STINKING RCA CONNECTOR IN THE GARBAGE, NONE OF THEM ARE OK FOR RF ! USE BNC'S INSTEAD, THE MOUNTING HOLE AINT MUCH BIGGER AND IT'S A MUCH BETTER CHOICE. THEY EVEN LOCK ON AND DON'T PULL OUT UNEXPECTEDLY. MY OPINION OF COURSE, WHICH IS THE ONLY ONE THAT COUNTS IN MY BOOK !

SUPER DUPER FLAME SUIT ON !

Rick McKee, KC8AON
Willow Wood, Ohio
QRP - Do more with less !

On Mon, 29 Jul 2002 18:20:29 -0600 "James R. Duffey" <jamesd1@flash.net> writes:

>Well the black plastic thing seems easy to resolve. Get a black,
>plastic RCA
>connector. Connect one end to a dummy load. Connect the other to a
>transmitter. Transmit for a while. If the balck plastic gets hot it is
>lossy. If it doesn't get hot, it will be OK for Ham use. - Dr.
>Megacycle
>KK6MC/5
>--
>James R. Duffey KK6MC/5
>Cedar Crest, NM DM65
>
>

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 29 Jul 2002 19:50:45 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>

Subject: [130996] Wanted = SST-20 rig
Message-ID: <412002723005045217@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Would like to buy a fully-assembled SST-20. Willing to pay top dollar for a really fine loaded unit. Anyone have one you will sell?

Thanks and 73,
--Doc/K0EVZ

--- wilford lindsey
--- dock0evz@earthlink.net
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Date: Mon, 29 Jul 2002 20:55:06 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [130997] Re: O'Scope gurus - help?
Message-ID: <5.1.0.14.1.20020729205107.00b24dc8@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:32 PM 7/29/2002 -0700, you wrote:

>It has a trace, it goes faster or slower when setting the mS knob ... great.
>The Intensity and Focus work. Great. The left / right 'Position' works. But
>the up/down 'Position' control makes no difference except for a very slight
>left / right movement.

Tracy,

Maybe that's why it was \$10. (grin)

>It's a dual-trace scope, (I think?) or at least it has two channels so I
>know there should be some setting to have both traces run on the screen,
>right?

Se if there's a Vertical Mode switch that should have settings like A, B, Alt(ernate), and Chop. Alt or Chop should display both traces.

Also, see if there's a Beam Find switch or button. Some scopes have such a

thing that shrinks the horizontal and vertical deflection so you can get an idea of where the traces are.

>I've beat google to death with 'hitachi V 212' but can't seem to find a
>manual. Not bad for \$10 if I can fix it, as I'm sure it's got some problem
>that won't let the vertical position be adjusted.

Good luck in finding docs. I used a Hitachi scope at a previous job and it was a decent machine.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Mon, 29 Jul 2002 18:00:57 -0700
From: "Doug Hendricks" <ki6ds@dospalos.org>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [130998] Correction to Special Guest at NorCal Meeting this Sunday
Message-ID: <000e01c23764\$91e4bf60\$1fa3ad40@DOUG>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave got so excited hearing about the building and operating contest to be held at this year's QRPacificon, that he messed up on the special guest that I am bringing to the meeting on Sunday. I will be bringing Graham Firth and his lovely wife Pat with me to the meeting. We should arrive about 10:00 and Graham will only be able to stay 30 - 45 minutes, but he is looking forward very much to attending. Hope to see you there. 72, Doug, trying to climb out from being buried with 8 weeks of snail and email.

Date: Mon, 29 Jul 2002 21:08:00 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-1@lehigh.edu>
Subject: [130999] HB:SBL-1 mixers

Message-ID: <000901c23765\$8cc3c520\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anybody know where I can purchase 100 pieces of SBL-1 mixers
at a reasonable price?

I do not want to substitute using a TUF-1

tnx

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPA-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

Date: Mon, 29 Jul 2002 18:02:25 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [131000] Where to get QRP Plus fixed now?
Message-ID: <20020730010225.46991.qmail@web20416.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

With Stan being SK anyone know where I can get a QRP Plus fixed now?

73!

Jeff

=====
AB6MB
NorCal QRP Club #65, QRP-L #1780, ARCI 10071
Radical FIST Member 6798, Fanatic A's fan #1

Do You Yahoo!?
Yahoo! Health - Feel better, live better
<http://health.yahoo.com>

Date: Mon, 29 Jul 2002 21:06:51 -0400
From: "Hap, WA3PTG" <wa3ptg@comcast.net>
To: kc8aon@juno.com,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131001] RE: Coax Adapter Loss -- Mostly Myth
Message-ID: <HIEKL00DELDPNBOHKICHGEOCCCAA.wa3ptg@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Rick,

I've been using black plastic RCA connectors for RF. They work perfectly well for QRP at or below 14 MHz. I see no point in putting a BNC connector on a Pixie II mounted in a tin can, or an SWL-40+ for that matter. That RCA jack may not be technically correct, but it works.

Let's look at it this way. We're QRPers, some of us run less than a watt. Our receivers generally have far more gain than we need. So we lose a little signal, so what? Would I want to use RCA connectors at VHF/UHF for weak signal work? Of course not. Would I use one at the output of a high power amp? No way!

So take off your flame suit, we're both right. BNCs are better, and RCA's are cheaper.

So, wanna argue about baluns??

72
Hap, WA3PTG,
Wilmington DE

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Rick McKee
Sent: Monday, July 29, 2002 20:42
To: Low Power Amateur Radio Discussion
Subject: Re: Coax Adapter Loss -- Mostly Myth

YUCK ! OH NO! THROW THAT STINKING RCA CONNECTOR IN THE GARBAGE, NONE OF THEM ARE OK FOR RF ! USE BNC'S INSTEAD, THE MOUNTING HOLE AINT MUCH BIGGER AND IT'S A MUCH BETTER CHOICE. THEY EVEN LOCK ON AND DON'T PULL OUT UNEXPECTEDLY. MY OPINION OF COURSE, WHICH IS THE ONLY ONE THAT COUNTS IN MY BOOK !

SUPER DUPER FLAME SUIT ON !

Rick McKee, KC8A0N
Willow Wood, Ohio
QRP - Do more with less !

On Mon, 29 Jul 2002 18:20:29 -0600 "James R. Duffey" <jamesd1@flash.net> writes:

>Well the black plastic thing seems easy to resolve. Get a black,
>plastic RCA
>connector. Connect one end to a dummy load. Connect the other to a
>transmitter. Transmit for a while. If the black plastic gets hot it is
>lossy. If it doesn't get hot, it will be OK for Ham use. - Dr.
>Megacycle
>KK6MC/5
>--
>James R. Duffey KK6MC/5
>Cedar Crest, NM DM65
>
>

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 29 Jul 2002 21:20:19 -0400
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131002] Flight of the Bumblebees - Preliminary Soapbox (Long)
Message-ID: <007a01c23767\$463a9a00\$74075dd8@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hope everyone had a good time on Sunday. Below are the soapbox comments from the logs received so far. Pretty entertaining reading.

If you have not yet sent in your log, please go to the Bumblebee autolog page at http://www.natworld.com/ars/bb_log.html

I'd like to post the preliminary scores on Wednesday or Thursday. This

contest does have mail-in logs so the final results will be in mid-August.

I've gotten a couple of emails concerned about the concentration of activity

on 20M. With 66 logs in, here's how the bands break down:

40M - 168 QSOs 8%

20M - 1701 QSOs 80%

15M - 239 QSOs 11%

10M - 10 QSOs 1%

Any suggestions for next year? Is there a need to reduce activity on 20M?

Also, don't forget that the next Spartan Sprint is next Monday, August 5.

72/73 de K8HJ

John

Contest Manager

Adventure Radio Society

SOAPBOX - SOAPBOX - SOAPBOX - SOAPBOX - SOAPBOX

N4BP/BB

Operated from Guano Reef in the FL Keys, my yearly Field Day site. Also used same setup as in FD: Elecraft K2, 4-band vertical, 486 notebook with NA.

Wx was perfect, light breeze and no thunder storms. Beautiful view looking

across the Gulf of Mexico at speed boats, jet skis, and birds. Fun event.

N0UR/BB

Load up my 50 pounds of gear into my bicycle trailer, 45 pounds of it was the 115 AH battery I had to use. Peddled 5 mile to a nice quiet city park.

Rig was a K-1, Z-11 tuner and a CF Zepp. 20 was the gravy band again.

Notice a band of thunderstorms rolling in, pulled down and rode home in record time, Lance would of been proud.

N1EU/BB

Condx seemed decent on 20M/15M and high QRN on 40M, although thankfully the

predicted thunderstorms didn't materialize. Nice to hear Denis GM3SKN call

with a good sig from across the pond.

FYI, I was using an FT-817 and a resonant 40/20/15M dipole fashioned from ladderline and center hung at 50ft from a tree.

Thanks for everyone's efforts and apologies to those who called that I couldn't pull out.

73,
Barry N1EU

AA5B/BB

Start with weak signals, then throw in heavy QSB for good measure. Got lots of practice digging QSOs out of the mud. It was fun despite the frustrating condx.

Station:

NorCal20 on 20 meters, dipole at about 40 feet.
QRP++ on 40/15/10, 44-ft doublet (fed with twin lead, tuner) on DK9 mast.
Paper logging, W9XT keyer, gel cells, etc.

N7SR/BB

Propagation did not appear to be great, but I was psyched and ready to go. I figured that with 150 Bumblebees there should be a lot of activity, and that proved to be true. Forty and fifteen meters were of little use here. It was way too hot, but the thunderstorms held off until I was breaking things down. My FT-817 was hot enough to fry an egg, though I decided not to test it. Had a great time, hope to do better next year.

Had a great time even with storms in area, but still lucky didn't get close enough to have to shutdown. Maybe next time can hit the road es join the bees. 72s to all es cu next week in the sprint. Jim WB8RTJ

N2CQ

I whimped out to Bee 28 Sunday AM due to the lightening and rain. I took the home station way out. The sun came out half way through of course. It was great to QSO the many Bees anyhow...
72 de Ken

AA4XX/BB

BB 2002 had a tremendous turnout, with good condx on 20M the entire 4 hours. The wx was picture perfect in coastal NC, with constant breezes lowering =

the
apparent hot temp and humidity.

I combined the BB contest with a kayak exploration of the Smith Island area, a couple miles upstream from where the Cape Fear River enters the Atlantic. Since Smith Island is 100% marsh, I ended up setting up the station on a sea wall which separates the Cape Fear River from the estuary. This rock wall was built around the time of the Civil War, and is about 3 feet wide and five miles long, running the entire distance from Ft. Fisher to Smith Island. During high tide, the Cape Fear was about 2 feet below the top of the wall. At low tide, the river was about five feet lower.

The station consisted of my trusty SW-20+, a 2 element vertical phased array, paddlette paddles, and a 4AH 12V battery. Conditions were quite good the entire period. As expected, the band didn't go long until the final hour of the contest. My compliments to the West Coast stations for their fine ears.

K7RE

Great fun, but sure could have used better conditions. Most signals were in the noise. I'm surprised at how well folks out there heard me.
Rig: K-2 at 5W
Antenna: 80M Horizontal loop up about 30 feet.

W0CH/BB

Hello gang: This year's Bumblebee was fun. Nancy N0FNZ and I traveled to Devil's Den state park in northwest Arkansas. We set up shop high on a hillside in the forest with a K2, 20 meter EDZ and assorted insects. 60 QSO's resulted with 39 bees contacted. Worked mostly 20 and 15 meters. 10 meters was dead and only 2 QSO's down on 40 where we found the normal high summer noise level.

Photo report on the web at www.w0ch.com
See you next year..... 72, Dave

N3BJ/BB

Hiked over to the next knob, used a K2 and homebrew trap dipole for 10 thru 20 about 30 FT high with good slope in all directions. Condx were fair and only 3 Qs on 10. Thanks to AC5K, N0MF and N4BP for the 10M Qs. A little warm here with 95 degs in Roanoke (VA) and probably about 85 degs up here in the mountains.
N4BP gets the "big sig" award, he and N0MF were the only stations to make it on 10 thru 20. Great contest, I'll get more adventurous next year !

KI0II/BB

FotBB QTH for 2002 was Oliver State Recreation Area 8 miles west of Kimball, NE.

The original goal was to locate and operate from Panarama Point, the highest point in Nebraska at 5424 feet. Has anyone every been there? I didn't find it.

Set up on a nice shaded knoll overlooking the lake. Thunderstorms in the area with lightening and thunder but very little rain. Thunder crashes on 20 were like 40 meter summer conditions that chased me away from the rig twice.

Found many signals that came and went very quickly. Always a treat to work AL7FS which was the only non lower 48 states contact. Several contacts on 15 and a few on 40 with a few more signals heard but not worked. Nice to see the pile up of signals on 20 meters spanning from 14.055 MHZ to 14.065 MHZ. Most consistent signal heard was N0UR.

Used K2 #591, 20 meter 1/4 HB vertical and a 40 meter EFHW wire up in a

cottonwood tree.

Attempted to put up a 20 meter dipole but failed to get the second end up=
in
time
so abandoned that idea.

Nice to hear many BB stations on the air. Time to start planning for ARS =
BB
for 2003.

Really enjoyed it, thanks ARS!

K0EVZ/BB

A fun outing even though propagation seemed spotty. Thanks to the
organizers for putting Bumblebees together this year. Setup =3D K1 to an
Inverted WYE with 4 radials. Location =3D Ft. Lincoln on the banks of th=
e
Missouri River south of Mandan, ND.

N6WG/BB

Thought I did pretty poor, but early returns on QRP-L suggest I may be ok=
at
least. Would have been nice to have better condx, but guess everyone has=
to
deal with them as best we can. Enjoyed my outing, and had time to visit
with folks passing through the park. See you all next year.
73, Bob N6WG

N7LT/BB

Had fun in my second FOBB. Made 52 contacts in about 2 hours of total
operation. Worked 29 BB's, 26 states and 1 Province. Hope to get out to a
better location next year as this year I had too many commitments and a n=
ew
job starting Monday to go further than the local park. :(

K4FB/BB

We (K4FB, W2XN, K4BYF) operated K4FB/BB from Bok Tower gardens in Lake Wa=
les
Florida. Station was
a K2, 20m/15m dipole up 25', and a 7amp hour gell cell. Great fun even i=
n
the HOT weather.

AD4MZ/BB

Backpacked up Mt. Tryon and found a heavily forested peak at 3,110 ft, where

I hung a 20m dipole under the canopy. Spent the night before swinging in a

jungle hammock. Radio conditions were not great but what fun it was.

Didn't hear any Bees except on 20m. Ve3jc, John, I heard you call me but never got my report due to QSB. Was accompanied by my friend Mark, who is

not a ham but he said he enjoyed the "Flight of the Bumblebees" because it

gave him time to work on his hobby, D&D. The 75 pound backpack sure felt good coming off back at the car.

72

Bob

(ad4mz@yahoo.com)

N0JRN/BB

Had a great time. Glad to work everyone. Hope you all had a lot of fun and

a safe trip. Conditions could have been better but I'm bound to save some

money on trips to the tanning bed. K-1 #601 performed flawlessly and the 40

mtr loop seem to provide better performance than my dipoles have in the past.

Thanks to all and 73: Jerry N0JRN

NN5E

Took my K2 and MP-1 to a local park for a field test. Really fun, next year

I'll try to be a Bee! Vern-NN5E

AC6KW/BB

Tom, KQ6DV, and I set up down at a local state park. We got lots of curious

onlookers and folks asking questions. Especially when we were "tree fishing". Tom brought a bow and arrow with a fishing line, but we ended up

using a sling shot. After setting up the antenna, I found that it wouldn't load. The culprit turned out to be a broken solder joint in the balun. Happily, I had a gas soldering iron and was able to fix it in time for the start.

We had an interesting onlooker. He looked like a homeless guy drinking beer and smoking strange looking cigarettes, with bloodshot eyes and the whole thing. The interesting thing was that he knew the code and was copying the replies in his head. I wonder if I could do that drunk and stoned at 10 am? I doubt it.

Rig was an FT817, Z11 tuner, with a tv twinlead to a dipole antenna.

K5JHP/BB

40 Dead, 20 band of choice except for QSB, 15 very marginal here in TX K1 and Mosley TA33JR
My first "B" but surely not my last....

WA4CIT/BB

Set up my K2 (#1860) on a ridgeline, elev 1925 feet (about 300 feet above valley floor), 36 deg 24.681 min N, 80 deg 53.846 min W. Hot, humid weather, and propagation was not the best.

When one of the 33' legs on my doublet snapped at the center insulator, the ladder line became part of a long wire, and the failed doublet wire a counterpoise. Couldn't get 40m to load up very well, but the other three bands were fine.

Really strong signals from N4BP, N7SR, WA9TZE.

At 1900Z, 15 meters seemed to open up a bit. I called CQ on 10 meters at the top of every hour, but never heard anybody else.

KW4JS/BB

Rig: Elecraft K2 SN 1541

Antenna: G5RV

Thanks to everyone! See you next year.

N5FC/BB

Is there a multiplier for doing this twice on the same weekend? ... thought

it was Saturday - HAW! And you thought it was rough getting contacts
Sunday - imagine being the only one calling CQ BB. Funny thing, I still
managed 4 contacts on Saturday HI HI (no I didn't include them). Hmm,
just hope the multiplier isn't 0.5 ;-)

71 (one short as usual), monty N5FC

WU=D8H/BB

Climbed up into The Needles in the Black Hills of SD. Whilst perched on =
a

rock outcropping, my solar panel blew off and almost took my rig (and the=
n

me) with it. Nothing heard on 40, 15 or 10M. This club has some really
great cw ops--it was great fun!

Thanks and 73,

Keith

W5CGH

Well, I really didn't fit into either of the entry categories for this
contest

(Bee or home), so I hereby declare myself the self proclaimed winner in m=
y

own

"Low Flying" entry category. I was driving between Lubbock and Corinth, =
TX

during the contest, and all contacts were made while mobile. I was not a=
ble

to

begin operating at the start of the contest, so my first contest QSO was =
not

until 1822Z. Had a great time, as always.

AL7FS

Conditions were tough as many have noted. Most hunt and pounce contacts
were made during 15-45 second openings to that station and then they were
gone. I console myself by remembering how bad it was in 1995. :-)

Thanks to all for the QSOs. Great contest! 73, Jim, AL7FS

N3XRV

Had a great time, but propagation made me glad I have three antennas (450' loop, 100' dipole, and 5BTV).

K3HLU

Operator John, W2AGN. Very poor conditions. High noise levels and QSB on 20,

deep QSB on 15 and QRN on 40.

Glad I stayed inside with the Air Conditioner ;-)

Rig: TS-130V

Antenna: KT34a, 300' Horizontal Loop

N0TK

Very Deep QSB on many signals. Signals went from S5-7 down to below noise level.

W0YSE

I tried using QRPDUPE for this contest by using the ARS Spartan Sprint part

of the program. If the entry had no decimal point it represented the BB#. If I entered a decimal point it represented the power in watts. Perhaps there is a newer version that includes the FOTBB contest by now.

W9FNB/BB

Twenty meters was in good shape here in Ind...40 meters was weak, much static

here...but managed a few Q's...K04WX #6...N1EU #115...N2XE #125...WA0RSE #141...

+ KW4JS-Ga...

20 meters was much more giving...WA7LNW #1...N1EU/N2XE(2

bands)...#39-46-55-59-65-67-114-131-139...THANKS TO ALL...

Home Stations/N2CQ /KK4R /KD7AEE /K7RE /WB8RTO...Thanks to All

It was just plain HOT...outside temp reached 96f(Heat Index 100f+)about midway through...put the Half sq. up early, worked from the trailer 82f but -20% humidity...

Rigs OHR100A/20M...4.5w...40m(TX)vectronics ROCK bound 600mw & DX398RS for

RX

ANT: was 20m Half Sq.=3D Half wave double Zep on 40

Look for everyone in the Aug.SP...

K8KFJ

Had to settle for a home-based operation today but still had fun giving s=

ome

of those winged insects some contacts. Da Bees had some good signals to break through my neighborhood generated noise. Anxious to see what kind of antenna setups they were using. Top BB signal here was AA4XX and I have a MP3 of him to prove it. HI Many thanks for the sponsorship of this fun event.

KC2AFK

Conditions did not seem to be the best, but it was nice to see the large number of Bees out in the field. Hope to have my act together by next year so I can work as a bee.

WB4WSE/BB

Located at N 34 40 16.7 / W 81 38 57 in the wilderness of Union County S.C..

Made a total of 22 contacts with my SW20 and dipole up about 25 feet. The band condx was decent from my perspective and made some fb contacts for my 1.5 watts in. Was a lot of fun hearing the band spring into life at 1300 est

with all the bees and home stations.

I now know that I need to install a multiturn pot and precision knob on my

tuning in order to get better frequency resolution.

Lots of fun despite the heat/humidity.

K3NY

Finished putting up my antenna five minutes before Flight began. I still don't know if it is working! Condx were either strange or I have a dummy load up 50 feet!

VE5QRP

I couldn't be Bee #71 because our city is having an annual Buffalo Festival and there are thousands of people around Wascana Lake where I was going to set up by the water...so I operated from home at 5w.

I would like to reserve BB#71 for the next running if I may please.

I had lots of fun using my K2 for the first time in the BB. The filters are a great help. Hopefully the bands will be better next year.

The BB event kept me from doing some house painting so you can't beat that eh?!...heh,heh...tnx & 72 - Bruce (VE5QRP)

KB9LCK/BB

Sorta made up my mind up at the last minute to go ahead and participate h=ad

daunting heat and a couple of health concerns, but went ahead. The trust=y

Bridgestone MB2

and I biked to Mattoon's historic Peterson Park, home of Mattoon's annual Bagelfest the previous night

and drew all kinds of attention as we threw the antenna up in a handy Sw=eet

Gum.

Have been too lazy--need to operate more! would take a rough edge off he=re

and there!

Did have a qso with old friend Butch, WY1W, also Paul, the North Carolina Milliawattling Madman.

AA4XX. So it was fun, and I got to talk to a couple of old friends and a few new ones!!!

W8BHK/BB

I setup at McCarty Lake in the Manistee National Forrest near Baldwin, Michigan using my Elecraft K2 and ZM-2 tuner to a 40 meter zepp antenna.

Most of my contacts were on 20 meters because the 40 meter band was quite noisy due to a thunder storm that went thru the area early in the morning.

Worked most of the stations that I heard and had a great time. Everytime =I

go into the field to operate I learn something that I want to do differen=t

next time. I worked ten states and two ve's.

Thanks for the great time and hope to be there next year.

73'S

Harcourt

KA8LLE

Lots of fun, not very good condx. Only got to work about an hour, then sn=uck

in at the end for a bit more.

N4DMI

The 20M group was like working a pileup. Can't figure how some of the signals sound so loud. My Argosy transceiver was showing it's age and a =lot

of the signals were down in the noise level. Worked 8 states and Canada

including: N1EU; AA4XX; N0SXX;ACRK;K04WX;K0ZK;W0CH;WA4CIT;WA9TZE;N05DL;VA=7NT
and N2XE. Great contest!!

N6BDG/BB

This was my first time in a QRP contest. It was great fun to hear all the QRP stations dominating the air, if only for four hours. Thanks to Russ Carpenter, AA7QU, for managing the contest and thanks to all who got on the air.

KK4R

Worked the middle 2 hours of the contest. Some of the contacts were really tough. The bands seemed generally poor and signals were not much above the noise, but there was good activity on 20m. I tried the other bands with very little luck.

AB4VF

Membership and Bee numbers didn't get here in time, so operated at home. A thunderstorm and spousal QRM kept me off the air for most of the contest. Enjoyed it.

AL70K/BB

Propagation was rough from up here in Alaska. The beauty of Bird Point on Turnagen Arm was a consideration not matched by others for sure. Sorry for the 20+ contact I missed because propagation was not still enough to complete a two way exchange. Couldn't even get a 2 way complete with AL7FS at 25 miles over the mountains. At least this year it didn't rain and there was some propagation compared to last year.

AC6NT/BB

This year's Flight of the Bumblebees Contest found me in Uncasville, CT. where I was performing with Neil Sedaka at the Mohegan Sun. As luck would have it, our show Sunday was at 3:00 PM. --- right in the middle =

of
the contest---what a bummer! I figured I'd have only an hour to operate,
then quickly pack-up and head to the showroom. (easily a 20 minute walk)
The day before I found a relatively good place to set up---on top of a
parking structure---all concrete---hardly any cars---about 50 feet up. T=
he
only drag was that there was no place to sit down, although the cement wa=
lls
were the perfect height to set my FT-817 and "Super Antenna" on. It just
meant contesting from an upright position.

As the contest started, I found that I was getting out just fine, an=
d
was able to nab quite a few of the stations I heard, including some of th=
e
"usual suspects" like N0UR, and N4BP, who had an awesome signal. After 1=
5
minutes or so, it started to lightly sprinkle. That didn't really bother
me, but then, it got a little worse. Finally, I was having trouble getti=
ng
the pencil to mark in my log book, and it was too difficult to write
in-between the wet spots. The wind was blowing pretty hard at this point=
,
and I was concerned about the antenna blowing off the wall and taking the
FT-817 with it! So, I had to pack it in after only 35 minutes of operati=
ng.
In all, I made a whopping 13 QSOs, and 9 of those were other Bumblebees! =
It
didn't go the way I'd imagined it, but then again, it probably never does.
The thing that impressed me the most was the high level of operating, and
politeness of all the QRP operators in this contest. Thanks for all the
fun---I'm ready to do it again!

W1PID/BB

I operated in the Pemigewasset flood control wilderness ares in Sanbornto=
n,
NH. I rode my bicycle to a beautiful field along the edge of the river. I
operated for the first hour using a DSW-20 and a dipole fed with RG-174 u=
p
about 30 feet. Best DX was VA7NT in BC! Also worked CO and TX.
After an hour it started to pour rain. Outta there! Thanks to all, 73 Jim
w1pid@arrl.net

WK6I

QSB City! Really brutal, but fun! Hope to be a BB next year - j

N8WE

operated from picnic table in public park with sw20 and dipole. n1eu was =
the
best signal during the 2 hours i operated. thanks to ars leaders for grea=
t
event.

AA8IV/BB

Thunderstorms were in the air all afternoon. QRN very loud but gave a go=
od
try from the area park at Riverbend. Called many stations but my 1 Watt
just not enough to be out of the noise. Thanks to all who heard me.

K4JPN

Just operated from 1500 to 1600, but a lot of fun and good signals into
Georgia from the West and East.

K8HJ/BB

Great fun for a first outing. Operated at Little Point Sable Lighthouse
USA-433. Sun was hot, antenna was low. Traveled to and from by bike and
seemed uphill both ways :-)) Learned a lot and looking forward to next ye=
ar.

Thanks to all who dug me out of the noise. 72 de K8HJ, John

AA2AD/BB

After getting off to a late start, I forgot the exchange, the wire to my
paddle broke, my antenna fell down once, and I had to wait out two separa=
te
lightning storms. What great fun! Count me in next year. -AA2AD

VE3FAL/BB

Had propagation been better, things would have been even more fun....
But despite it all I had a blast.
Bring on the next QRP contest...

W9HL/BB

Rode my bike 3/4 of a mile to the nearest park. Temp was in the upper 90'=
s
found a nice shade tree with a picnic table under it set up my K1 and PW=-
1

vert. Operated for about an hour. 20 meters seemed to be the only band with activity.

WA0RSE/BB

The predicted thunderstorms held off and 90 degree heat and high humidity persisted at Frontenac State Park near Red Wing, MN. After a short hike, I was in the picnic area, hundreds of feet above Lake Pepin, a widening of the Mississippi River. The ends of my dipole went up and the NorCal 40A went on the air. The thunderstorms were still in the area and generated a fair amount of QRN, making listening difficult. I had a GREAT time and thank all my contacts for digging this Bee out of the noise!

72,

--Paul, WA0RSE, 2002 Bee #141

P.S. Next year I'm going to be on 20M, too!

NM5M/BB

Hope for better conditions next year!

73, NM5M BB#16

WB6BWZ

Yaesu FT-817 xcvr, 5 watts, to 153-foot OCF stealth antenna up 40 feet in trees.

K3AS

Conditions really poor here. Most signals very weak.

W6ZIP

Bands were not-so-good. Heard nothing on 40 whatsoever!!!

KG0MZ/BB

I hiked Glen Elder Reservoir to a preselected nice spot. Unfortunately, I ran into some pretty foul weather. Operated for about half an hour before

lightning became too disconcerting. QRN, QSB, deafening static crashes. =
No
tornado although NWS had issued a watch. NC20, rotatable dipole.

K7PX/BB

Third times the charm, first Bee Test, forgot the coax connector, Second =
Bee
Contest, crashed and burned on bike just before contest. This time made =
it
to the site 12 miles back into the Bitterroot Mountains of Western Montan=
a.
After spending the morning climbing Ranger Peak it was back to the camp t=
o
work an hour and a half of the contest. Then a very long walk out for th=
is
old ham.
Great time, see you next year.

Steve (K7PX)

W3BB0/BB

How about award for biggest excuse? Planned to operate from nice site, t=
hen
found out I had to babysit our 12 day old grandson. Re-thought and
decided to setup in our backyard.

Made three quick contacts and felt very guilty as the grandson was sleepi=
ng
in
the house. Tore down the station and spent rest of afternoon doing my
grandfatherly duties. Hopefully next year!

K5RAC/BB

I got called in and had to work and only got away long enough for one
contact
N6MM BB#57 in CA, heard a few others but no luck. Still this is one of m=
y
favorite events. Sorry Bee#44 only had a short flight this time. Joe KK=
5NA
(K5RAC)

Date: Mon, 29 Jul 2002 18:34:11 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: elecraft@mailman.qth.net, QRP-L <qrp-l@lehigh.edu>,
GQRP <gqrp@groups1.vip.scd.yahoo.com>
Subject: [131003] New Pictures on Elecraft Gallery page
Message-ID: <3D45ED13.271883EA@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We have updated our Elecraft picture gallery with 39 new pictures.

Go to <http://www.elecraft.com> and choose the link for the Picture Gallery.

We have new pictures from: Team Vertical (6Y2A), N5K0 and 9V1YC as OJ7S at WRTC 2002, new custom paddles and bugs from WB9LPU, Transverters from DL9GRE and N6CM, a receiver from W4OP, a -large- crystal set from KA8EDE, and pictures from DL9RDM, GM3SKN, IZ1DFI, F5PBL, K5JHP, KJ5VW, KT5X, N2XE, DL8MTG, DL3OCG, N2EI, PE1OBG, DL7MGQ, OE3ZK, W7DZN (air mobile), N1DXR, VE3RPF, W3MZN, WA6FWF, WB9JOX, DK1KQ/mm, WE1U and WJ4P.

Whew!

Keep those JPGs coming. You can email them to eric@elecraft.com

73, Eric WA6HHQ

Date: Mon, 29 Jul 2002 18:31:58 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [131004] Re: Counterpoise Question
Message-ID: <MABBJOEABOILMKCJCLFCEEJHDHAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Foxy

Is the rest of the counterpoise laying on the ground or elevated to some extent?

If laying on the ground, I wouldn't expect much effect. If elevated, I would expect the ground coupling loss to be higher than if completely elevated.

73, Bob N6WG

Date: Mon, 29 Jul 2002 18:30:18 -0700
From: "Dean Rachwitz" <drachwitz@cox.net>
To: <mgoins@usa.net>,
 ''Low Power Amateur Radio Discussion'' <qrp-1@lehigh.edu>
Subject: [131005] RE: CAUTION
Message-ID: <000201c23768\$aa875ec0\$6400a8c0@Dad>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Quoting the Symantec Antivirus Research Center's (www.sarc.com) virus encyclopedia, "The subject line, message bodies, and attachment file names are random. The From address is randomly-chosen from email addresses that the worm finds on the infected computer."

So, this email could be from anyone who had W4ML's address in his or her address book. In all likelihood, it wasn't W4ML.

I don't know W4ML, just wanting to be sure people don't start sending flames off when it is undeserved.

The only defense to the Klez virus is an up to date virus scanner.

73,
Dean
K7ADN

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of mgoins@usa.net
Sent: Monday, July 29, 2002 3:07 PM
To: Low Power Amateur Radio Discussion
Subject: CAUTION

I just received a KLEZ worm from w4rnl <w4rnl@arrl.org>.

May not be him, may be a remail from his address list or whatever. Be careful of this one.

mike
wb5yjx

Date: Mon, 29 Jul 2002 21:34:10 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kc8aon@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131006] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <00ec01c23769\$35975880\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> YUCK ! OH NO! THROW THAT STINKING RCA CONNECTOR IN THE GARBAGE, NONE
OF
> THEM ARE OK FOR RF !

snip!
snip!
snip!
snip!
Snip!

First off, I realize it's emotional, but quit yelling.

You know, your post falls almost EXACTLY (short yell!) into the category of people who just don't understand that sometimes the "best tool" and the "best tool for the job" are not always the same thing.

I've seen people who bellyache and moan that they don't have a good antenna up because they can't get that 'perfect' antenna up. Or they don't have that 'perfect' connector. They'd rather not operate than operate with something 'inferior'.

I worked with a guy once who was 'sorta' responsible for ordering. I needed a meter. In fact, for what I wanted it for I could ALMOST (another short yell there!) have gotten by with an LED and a resistor. So I ordered a cheap \$15 meter. A couple other people in my hardware group decided I was justified, so we ended up ordering about 7 or 8 meters. Cheap ones. In fact, in my application, I needed two at once.

I got my manager to sign off on it, and the order went in.

Suddenly I was called on the carpet by the VP. What was I doing ordering over half a dozen of these Fluke \$600 meters for? What?

Oh, the guy in purchasing said 'We will never order a cheap meter!

He just didn't get it.

The "best tool" and the "best tool for the job" are not always the same thing.

Ended up ordering a 'pack' of a bunch of \$35 B&K meters. FINALLY! But it took a few arguments to get it through purchasing. He actually argued me to get me to order just 1 or 2 Flukes. I countered with I want MULTIPLE CHEAP METERS!!! I must have wasted 3 or 4 hours arguing that!

Another time I needed a scope. Just 10Mhz. Got it all approved. Know what showed up? A 100Mhz multi-channel digital storage scope that they were LEASING for me for something totally on drugs for like \$2000 a month! (This was about 8 years ago.)

What was ironic was the scope was almost unusable for what I originally intended to use it for. I passed the scope off to a different group, and reordered the scope I wanted. Very specific about make and model.

Know what arrived? A 200Mhz multi-channel digital storage scope! Only this time they figured I really needed it so they BOUGHT IT!!

Same guy. Like I said, he just didn't get it.

The "best tool" and the "best tool for the job" are not always the same thing.

By the way, I passed THAT scope off too, and then "I" ordered the scope I wanted direct, and had the bill sent to purchasing. By this time, the girl knew to keep it quiet...

So PLEASE stop yelling when people just don't want the hassle of using what YOU think is the best. Yes, it may be far superior in a 'technical' sense, or superior in the areas 'you' consider critical, but sometimes what's important to someone else is NOT what's important to you! Other people may not be using your yardstick for a measure. I seriously doubt your consideration of what is 'best' includes the ease and convenience of using an RCA connector.

Mike

Date: Mon, 29 Jul 2002 18:41:19 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [131007] Re: O'Scope gurus - help?
Message-ID: <MABBJ0EABOILMKCJCLFCMEJHDHAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tracy
Try these places for used manuals

<http://bama.sbc.edu/>

<http://www.slack.com//manuals.html>

<http://www.manualsplus.com/>

<http://www.w7fg.com/>

73, Bob N6WG

Date: Mon, 29 Jul 2002 19:53:53 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: <k7qo@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131008] Re: Rock-Mite Straight Key Mode Problem
Message-ID: <006601c2376b\$f71ce6d0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Chuck, et.al.

I confirmed this behavior with my Rock-Mite. I also came up with an easy work-around:

o Wire a stereo [3 cond.) plug to your straight key. Tip and sleeve or tip and ring, doesn't matter, and connect it to your Rock-Mite.

o Close the key, then power up your Rock-Mite, Unkey.

o The Rock-Mite is in SK mode, and things work as they should.

Hope that helps. I'd like one or two folks to verify my work-around. Once verified I'll post it on "the Rock-Mite files", <http://www.radioactivehams.com/~n0rc/rm/>.

73, Rod N0RC

----- Original Message -----

From: "Chuck Adams" <k7qo@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Tuesday, July 23, 2002 8:06 PM

Subject: Rock-Mite Straight Key Mode Problem

>

>

> Gang,

>

> I forgot to put in the original posting the following.

>

> There is a mode that if either of the dot or dash inputs is

> grounded upon power-up, the keyer function is bypassed

> (the Rock-Mite has a built in Iambic keyer --- neato stuff)

> and the input accepts a straight-key or external keyer.

>

> I tried this out by shorting out the dash and sure enough

> it goes into the straight key mode. When I short the dot

> line then the transmitter keys and stays keyed until I remove

> the dash clip to short it out. It looks like both inputs are

> keying the transmitter instead of the one that was not

> shorted on power-up. So this firmware change I'm sure

Date: Mon, 29 Jul 2002 22:08:48 -0400

From: "Russ Hines" <wb8zcc@one.net>

To: <kc8aon@juno.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [131009] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <009401c2376e\$0b94b320\$eb86d7d8@wb8zcc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hmm, I guess I shouldn't point out that BNC's aren't constant impedance connectors either. ;-)

73,
Russ Hines
WB8ZCC

----- Original Message -----

From: "Rick McKee" <kc8aon@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, July 29, 2002 8:41 PM
Subject: Re: Coax Adapter Loss -- Mostly Myth

> YUCK ! OH NO! THROW THAT STINKING RCA CONNECTOR IN THE GARBAGE, NONE OF
> THEM ARE OK FOR RF ! USE BNC'S INSTEAD, THE MOUNTING HOLE AINT MUCH
> BIGGER AND IT'S A MUCH BETTER CHOICE. THEY EVEN LOCK ON AND DON'T PULL
> OUT UNEXPECTEDLY. MY OPINION OF COURSE, WHICH IS THE ONLY ONE THAT
> COUNTS IN MY BOOK !

>
> SUPER DUPER FLAME SUIT ON !

>
> Rick McKee, KC8AON
> Willow Wood, Ohio
> QRP - Do more with less !
>

> On Mon, 29 Jul 2002 18:20:29 -0600 "James R. Duffey" <jamesd1@flash.net>
> writes:

> >Well the black plastic thing seems easy to resolve. Get a black,
> >plastic RCA
> >connector. Connect one end to a dummy load. Connect the other to a
> >transmitter. Transmit for a while. If the balck plastic gets hot it is
> >lossy. If it doesn't get hot, it will be OK for Ham use. - Dr.

> >Megacycle
> >KK6MC/5

> >--
> >James R. Duffey KK6MC/5
> >Cedar Crest, NM DM65

> >
> >
>

>
>
> -----
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Date: Mon, 29 Jul 2002 22:13:25 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <eric@elecraft.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131010] Re: New Pictures on Elecraft Gallery page
Message-ID: <018101c2376e\$c2217ce0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
> We have updated our Elecraft picture gallery with 39 new pictures.
>
> Go to <http://www.elecraft.com> and choose the link for the Picture
Gallery.

I don't know about the rest of you, but when I looked at the pictures
and saw those 15" long and 15" diameter coils, then looked at the 'next'
row and saw the lighthouse...

My initial reaction was "Holy xxxx look at THAT coil!"

Mike

Date: Mon, 29 Jul 2002 21:36:54 -0500
From: "Mike Duke, K5XU" <k5xu@netdoor.com>
To: "qrp list" <qrp-l@lehigh.edu>
Subject: [131011] NorCal Doublet with 300 Ohm Line?
Message-ID: <004501c23772\$1b5bddc0\$8bd294d0@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Next month, I will be moving, and it will be a few weeks before the yard art - uh I mean tri-bander sprouts. But, there are two trees which will be perfect for a 44 foot NorCal doublet.

Will this antenna work okay when made from a piece of 300 ohm line? Since I have plenty of 300 ohm line on hand, I thought I'd give it a try.

Mike Duke, K5XU
American Council of Blind Radio Amateurs

Date: Mon, 29 Jul 2002 21:32:14 -0500
From: Karl Kanalz <kkanalz@gcecis.com>
To: "'wa3ptg@comcast.net'" <wa3ptg@comcast.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131012] RE: Coax Adapter Loss -- Mostly Myth
Message-ID: <01C23747.CD08B1E0@kkanalz>

Dear Hap,

I just knew there were ham operators in Delaware! I'm glad you've confirmed that!

As for "RCA Phono Connectors", I can't speak to the issue of the "black plastic" versions, but if the ceramic insulation versions that were used by Collins (32S-x, KWM-x series) and Heathkit, they are guaranteed to work.

As for VHF/UHF work, K1CLL (Bill Hoissington), a long-time experimenter and author for "73" magazine used them for his various "ugly construction" projects as RF input/output connectors for 50 MHz up through 1296 MHz! They worked just fine.

I don't want to argue about baluns, the use of them or the value of them, but I kind of miss all that discussion of "conjugate match(es)" (Big Grin!). Personally, I believe that baluns should be used whenever feeding a balanced load with an unbalanced feedline.

Karl K - W8TIF
McKinney, Texas
(just a few miles north of W5YR)

-----Original Message-----

From: Hap, WA3PTG [SMTP:wa3ptg@comcast.net]
Sent: Monday, July 29, 2002 8:07 PM
To: Low Power Amateur Radio Discussion
Subject: RE: Coax Adapter Loss -- Mostly Myth

Rick,

I've been using black plastic RCA connectors for RF. They work perfectly well for QRP at or below 14 MHz. I see no point in putting a BNC connector on a Pixie II mounted in a tin can, or an SWL-40+ for that matter. That RCA jack may not be technically correct, but it works.

Let's look at it this way. We're QRPers, some of us run less than a watt. Our receivers generally have far more gain than we need. So we lose a little signal, so what? Would I want to use RCA connectors at VHF/UHF for weak signal work? Of course not. Would I use one at the output of a high power amp? No way!

So take off your flame suit, we're both right. BNCs are better, and RCA's are cheaper.

So, wanna argue about baluns??

72
Hap, WA3PTG,
Wilmington DE

Date: Mon, 29 Jul 2002 21:15:41
From: Tim and Michele Groat <tmgroat@peakpeak.com>
To: qrp-l@lehigh.edu
Message-ID: <3.0.3.16.20020729211541.4987ec9e@peakpeak.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

These could be useful for PSK31 interfaces. The turns ratio is about 24:1, which would bring the sound card output level closer to what you'd want at the transceiver mic input.

72, 73

--Tim, KR0U

"Brian" <brian@iquest.net>:

> I got my hands on 100 audio transformers....

>

> They are marked Audio Transformer TYPE 70-H-28, Primary Z is 170

> Ohm and Secondary Z is 100K ohm with zero mA DC...

>

> What can we do with them??

Date: Mon, 29 Jul 2002 22:12:38 -0500

From: <mgoins@usa.net>

To: <qrp-1@lehigh.edu>

Subject: [131014] need some help with technical German

Message-ID: <20020730031238.26653.qmail@uwdvg001.cms.usa.net>

Mime-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: quoted-printable

Looking for someone who could help translate some technical German for me=
=2E

Anyone on the list who is proficient in German of a technical nature? =

If you can help, please contact me off list. Thanks for th ebandwidth.

mike

wb5yjx

Date: Tue, 30 Jul 2002 00:22:21 -0400

From: "Dave Benham" <dodgeboy@mindspring.com>

To: <qrp-1@lehigh.edu>

Subject: [131015] OT: mobile power wire size?

Message-ID: <043a01c23780\$b3fae0e0\$42d079a5@hqa.chrysler.com>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I'm trying to help my son who appears to have an excessive amount of voltage drop to his FT-100 in his vehicle. He has the radio split so the body is in the rear of his SUV and the control head in the front. He has #10 wire

(stranded copper, not solid) going from the battery to the rear where the radio body is. At a theoretical 22 amps max, he is getting less than 11 volts at the rig which sometimes causes control problems or to even drop out totally. He has about a 16 foot run of #10 wire. Connectors are crimp on (not Anderson PowerPoles, yet) and appear to have no corrosion or looseness.

Does this sound like a normal voltage drop for this situation? He found a different better ground with a shorter run at the rear of the vehicle which seemed to help some.

What wire size and type (solid vs. stranded) is recommended for installing mobile 100W rigs (actually 50W FM seems to draw the most current)? I can't for the life of me find a clearcut answer on the internet or in the Handbook. The mobile books I have are so old that they only cover tube radios. I can figure out theoretical voltage drops given particular wire sizes, but there's a heck of a fudge factor when you add the connectors.

TIA,
Dave K8TRF

Date: Mon, 29 Jul 2002 23:22:13 -0500
From: Don <dwittlic@apci.net>
To: walter@accessus.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131016] Re: Meter for SWR meter
Message-ID: <3D461475.FB9BB30A@APCI.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The digital meter looks nice, but before buying, be certain that the battery is a common one.
I purchased a really nice featured pocket sized 8 dollar meter at a hamfest, only to discover it was powered by six button cells. Replacing the cells was inconvenient and almost the price I had paid for the meter.

And why would you want a digital meter for a field strength meter? It may help you make some fairly remote readings without anyone's assistance. Many digital meters have a peak hold function so you could sit the meter at some distance from the antenna, make a test transmission, walk out to the meter, write down the peak value, reset the meter, walk back to the station and make an adjustment then a test transmission for the

next reading.

72,

Don WN9V

Walter AG5P wrote:

>

> R and L Electronics, has a good performer for \$9.95.

> <http://www.randl.com/cart/3.htm>

> 72/73...Walter, AG5P

Walter AG5P wrote:

>

> R and L Electronics, has a good performer for \$9.95.

> <http://www.randl.com/cart/3.htm>

> 72/73...Walter, AG5P

Date: Tue, 30 Jul 2002 12:33:06 -0400

From: "ss lyon" <sslyon@megalink.net>

To: "chat qrp" <qrp-l@lehigh.edu>

Subject: [131017] Flight Of Bumblebees -and BLACK FLIES

Message-ID: <00d701c237e6\$c8a5a5a0\$aac7e742@megalink.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

KD1JV (Steve) and I hiked up to a plateau at 3500' just beneath tree line on Mt Jefferson, NH. 45lb back packs and rocky trail made a real cardio workout. T-storms were forecast but only got some sprinkles and wind. What really made the day were the hordes of BLACK FLIES!! Entire event punctuated with slapping, itching, slathering... even got under our earphones. We managed to sling up my 88' EDZ at about 25' despite my forgetting the fishing reel. Fed it with 300 ohm line to a Z-match, then to the Weber Multi Band Contest Machine with DDS VFO's, a HOT RX, RIT, three memories, and 5w RF. Steve gave incredible tech support ... even did surgery on the rig -while I was operating. Condx were very spotty indeed, but we managed to hit the left coast easily at times and even worked GM3SKN -at e.s.p. levels!

Q's = 54; SPC's = 27; BB's = 29;

Prop. was iffy, and turn out seemed light... but we sure did our bit this year. This event, and others such as "-Afield" "To The Field", and "FYBO" really epitomize the spirit of QRP in my opinion, and it's a real treat share the event with others on "The Road Less Traveled". 72/73 Folks -CU next year.

AA1MY

Seabury & Sharon Lyon

99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

Date: Mon, 29 Jul 2002 23:56:37 -0500
From: Ade Weiss W0RSP <adeweiss@sd.value.net>
To: qrp-l@lehigh.edu
Subject: [131018] Re: ZM-2's
Message-ID: <HEA9ID5B83YMJKHYXPN62LIVQTP3XYU.3d461c85@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi Tom:

You're thinking along the right track. Yes, what you're calling a "dummy load" is a resistive 6dB bridge network. What happens in the TUNE position is that the power is split between the bridge and the antenna. The LED is in the "REFLECTED" leg of the bridge. So, in TUNE, your rig feeds power into the tuner but all that is monitored by the LED is the REFLECTED power. You could stick another LED in the FORWARD leg and see what is happening to the FORWARD power -- just like in a dual meter SWR unit that is very common. In the ZM-2, all we're worried about is getting the BEST possible match to the antenna feeder. That occurs when there is the least amount of REFLECTED power. That's when the LED goes out (or dips to a minimum -- there's a bit of frequency sensitivity involved as the manual points out.

If you leave it in TUNE when you are transmitting, you're burning up 6dB of your power in the bridge. But the rest is still going to the antenna. Even so, I've worked DX on 30m w. a dipole and the ZM-2 in the TUNE position.

One advantage of the bridge is that when in the TUNE position, your rig is seeing a real 50-ohm load in parallel with the antenna feedline. So, that minimizes chances for smoking your final tranny even when connected to the most atrociously mismatched line you can imagine. I like that feature VERY much. Most tuners do not have this feature, i.e., a resistive bridge, but rather, only a dual sensing circuit (FOR/REF). With those tuners, when your feedline shows a very high SWR, that's what the rig sees without any protection.

72, Ade

Date: Mon, 29 Jul 2002 23:56:26 -0500
From: "SAAD MAHAINI" <N5FF@attbi.com>
To: <FT817@yahooogroups.com>
Cc: <qrp-1@lehigh.edu>
Subject: [131019] FS NIB FT-817 Accessories
Message-ID: <01cc01c23785\$764f9420\$0802a8c0@WorkGroup>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I have the following FT-817 goodies that I will like to sell. These are all Brand New, never used.

Maha battery pack MH-FNB-72 - \$ 50 (bought at \$60)
MFJ power Supply MFJ-4103 - \$ 30 (bought at \$40)

If bought as a package I will cover the shipping cost.

Also, still have the Brand New Schurr paddles, portable mini, designed as accompanion for the FT-817. Never used. \$150 shipped (cost \$190 + shipping)

73s Saad N5FF

Date: Tue, 30 Jul 2002 00:12:15 -0500
From: Ade Weiss W0RSP <adeweiss@sd.value.net>
To: qrp-1@lehigh.edu
Subject: [131020] RE: Black in the Fiberglass

Message-ID: <B0IG1XXSSPHGWTSQ95HGIFFDUS1XPOWR.3d46202f@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi all:

The "connectors' myth" thread raised a question about black plastic. I don't know about the black in connectors, but the black in Black Widow and the gray in SD20 telescoping fiberglass poles has something that is electrically active. A 16.7-ft wire stretched up one of these as a vertical radiator is resonant way down in the low 13mHz area, not 14mHz where one expects. These results are consistent for 6 different poles.

72, Ade W0RSP

Date: Mon, 29 Jul 2002 23:42:45 -0700
From: "fred toth" <fctoth@attglobal.net>
To: <dodgeboy@mindspring.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131021] Re: mobile power wire size?
Message-ID: <03ce01c23794\$53d8cd80\$ed78620c@hewitt.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have experienced surprisingly high voltage drops in my mobile installation, as well. At 20 amps, I found about 0.3 voltage drop on each of the two in-line fuses on the no 12 gauge wire going from the car battery to the rig below the front dash (about 8 feet) and another few tenths of a volt from the wire resistance itself. The battery voltage will also drop a little when you are pulling 20 amps, so before you know it, you can easily fall below 11 volts if you are running from the battery alone (i.e. the alternator is not charging the battery). It is amazing how quickly these little resistance losses add up!

Here's what I suggest: replace the in-line fuse(s) with low resistance circuit breakers and replace the No 10 gauge wire with something really big (like No 6 gauge), especially if you are running 16 feet of wire.

You might also pick up a copy Don Johnson's excellent book "40+ years of H.F. Mobileering," which includes many valuable tips. I wish I had read his book before I did my first mobile installation!

Date: Mon, 29 Jul 2002 23:50:09 -0700
From: "Chetan Bhargava" <wiz@bhargavaz.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131022] FCC Rulebook -What has changed?
Message-ID: <000901c23795\$5e85ff90\$0100a8c0@main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi people,

I'm reading FCC rulebook 1993 edition. Does anyone know whether there have been major changes in the latest edition?

Thanks.

Chetan Bhargava
<http://www.bhargavaz.net>

Date: Tue, 30 Jul 2002 06:59:49 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: w8diz@fpqrp.com, qrp-1@lehigh.edu
Subject: [131023] Re: HB:SBL-1 mixers
Message-ID: <F6rbwRgUZNwWX6VZRvj00027298@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: "w8diz" <w8diz@fpqrp.com>
>Reply-To: w8diz@fpqrp.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: HB:SBL-1 mixers
>Date: Mon, 29 Jul 2002 21:08:00 -0400
>

>Anybody know where I can purchase 100 pieces of SBL-1 mixers
>at a reasonable price?
>
>I do not want to substitute using a TUF-1
>

Have you tried MCL themselves? They are often cheaper than many amateur sources even for small quantities. For 100 off I doubt if you could do any better.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1327 359058 Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Tue, 30 Jul 2002 07:17:18 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [131024] Persumed to be a virus from QRP ARCI
Message-ID: <5.1.0.14.0.20020730071418.009f1090@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I just got an email from

qrparci@qsl.net

and I assume that the attachment is a virus. I get several a day now from call@some.domain and am getting pretty tired of it as it eats up time and energy. I never open any email that has an attachment.....

Also the filter list on my Euroda is getting pretty long. Getting lots of SPAM from over seas. Looks like a group is trying to bring down the Internet by flooding

it with garbage. Hope some one gets to a solution pretty quick.

One of the reasons I don't like TV is the inordinate amount of time each hour spent on advertising.....

FYI

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Tue, 30 Jul 2002 01:28:02 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: "Doug Hauff" <dhauff@digitalputty.com>
Subject: [131025] Message from American Morse Equipment (Doug Hauff)
Message-ID: <005b01c237a3\$054fd4b0\$0400a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Folks,

I have been asked by Doug Hauff, KE6RIE, of American Morse Equipment fame, to post a short message to the list to tell everyone that he will have pictures and more information on his new paddle on his website tomorrow. I did a quick websearch and found his site at:

http://users.digitalputty.com/dhauff/public_html/

Hope I got that right Doug....I'm 0 for 1 so far...

Cheers es 72,
Dave Fifield, AD6A

Date: Tue, 30 Jul 2002 02:02:45 -0700
From: "Dave Fifield" <dave@redhotradio.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131026] Re: Small QRP receiver...Don't forget the MRX
Message-ID: <00a301c237a7\$df27f880\$0400a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have put the SMK-1 (MRX+ integrated with a TT2+)
design back up on my website for anyone who wants to
have a go making one for themselves. It's at:

http://www.redhotradio.com/SMK_1.html

I would consider offering the SMK-1 again, as a Red Hot
Radio product, if there's enough interest. It would be exactly
the same as the old version, for about the same price. If you
are interested, please let me know by private email.

Cheers es 72,
Dave Fifield, AD6A

----- Original Message -----

From: "Trevor Jacobs" <kg6cyn@earthlink.net>
Subject: Re: Small QRP receiver...Don't forget the MRX

> Another good starter Receiver is the MRX. Very small part count and I
> think that many of us who have built SMK-1's (MRX + Tuna Tin 2) will
> admit that this little design works pretty good for such a small parts
> count. Here are the PDF files from the ARRL:
>
> <http://www.arrl.org/tis/info/pdf/99759.pdf>
>
> and if you want to scale it for 80 meters instead of 40 meters:
>
> <http://www.arrl.org/tis/info/pdf/0105098.pdf>
(snip)

Date: Tue, 30 Jul 2002 05:12:40 -0400

From: "Steve Baker" <k8pz@earthlink.net>
To: <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131027] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <006a01c237a9\$42434220\$0100a8c0@mshome.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Mike Yetsko" <myetsko@insydesw.com>

> Snip!

>

people who just don't understand that sometimes the

> "best tool" and the "best tool for the job" are not always the same

> thing.

>

or

"When you only use a hammer, every problem starts to look like a nail."

73,

Steve ..

Date: Tue, 30 Jul 2002 06:23:25 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [131028] Most Wanted States
Message-ID: <3D46691D.1151@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

DXers keep a list of most wanted countries. It would be interesting to see the five most wanted states as far as the QRP-L ham community is concerned. I will post the results if the response is significant enough.

Joe, K3CHP
Frederica, DE

Date: Tue, 30 Jul 2002 04:13:46 -0700 (PDT)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: n5nw@n5nw.org,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131029] RE: 88' wire - Conjugate Matching Demonstration
Message-ID: <20020730111346.96492.qmail@web14203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Can we let this one die already.

Bill kc4atu

Do You Yahoo!?
Yahoo! Health - Feel better, live better
<http://health.yahoo.com>

Date: Tue, 30 Jul 2002 07:14:25 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <tracy@bytemark.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131030] RE: O'Scope help
Message-ID: <000e01c237ba\$442c64c0\$6401a8c0@alex>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Tracy:

Go into the scope's vertical amplifier section, and try to identify the output transistors that drive the CRT plates. These circuits are usually very symmetrical. See if the voltage on the two output lines is equal. It sounds like it will be, otherwise the trace wouldn't be vertically centered.

>From there, go backwards towards the transistors driving the outputs, and work your way towards the front-end. Many times FETs are used as high-Z input amplifiers, and they frequently fail after being overloaded by excessive signals or ESD at the input. Many of these amplifier sections are DC coupled, so a failure of one part will upset the entire amplifier string.

Do you have the schematic for the scope?

Good luck with it. I'm quite sure you'll get it going.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Tracy Markham

Sent: Monday, July 29, 2002 7:38 PM

To: Low Power Amateur Radio Discussion

Subject: O'Scope help

Hey O'Scope gurus ...

I picked up a Hitachi V-212 for \$10 this weekend at a swap. There's a trace, the intensity and focus works, the trace goes faster / slower according to the mS/Div knob, but the Vertical Position knob does nothing.

Any pointers on where to start? Looks like another learning experience. It would be nice to have a small scope in the shack for audio work and stuff.

Tracy N4LGH

Date: Tue, 30 Jul 2002 07:15:16 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>

To: <dodgeboy@mindspring.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [131031] Re: mobile power wire size?

Message-ID: <007601c237ba\$ba53e420\$0300a8c0@charter.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

A single wire? What about the ground? If there wasn't a tap in the trunk/rear of the vehicle for a 'high power' stereo, he may not have a low impedance ground.

My Intrepid had a 'tab' in the trunk for the Infinity amp that I used for my Alinco ground.

Mike

----- Original Message -----

> I'm trying to help my son who appears to have an excessive amount of voltage
> drop to his FT-100 in his vehicle. He has the radio split so the body is in
> the rear of his SUV and the control head in the front. He has #10 wire
> (stranded copper, not solid) going from the battery to the rear where the
> radio body is. At a theoretical 22 amps max, he is getting less than 11
> volts at the rig which sometimes causes control problems or to even drop out
> totally. He has about a 16 foot run of #10 wire. Connectors are crimp on
> (not Anderson PowerPoles, yet) and appear to have no corrosion or looseness.
>
> Does this sound like a normal voltage drop for this situation? He found a
> different better ground with a shorter run at the rear of the vehicle which
> seemed to help some.
>
> What wire size and type (solid vs. stranded) is recommended for installing
> mobile 100W rigs (actually 50W FM seems to draw the most current)? I can't
> for the life of me find a clearcut answer on the internet or in the
> Handbook. The mobile books I have are so old that they only cover tube
> radios. I can figure out theoretical voltage drops given particular wire
> sizes, but there's a heck of a fudge factor when you add the connectors.
>
> TIA,
> Dave K8TRF

Date: Tue, 30 Jul 2002 08:06:50 -0400
From: "Charles Mabbott" <aa8vs@msn.com>
To: wiz@bhargavaz.net, qrp-1@lehigh.edu
Subject: [131032] Re: FCC Rulebook -What has changed?
Message-ID: <F14h67j0vX1rZYDpyuq00001263@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

These should be up to date!

<http://www.arrl.org/FandES/field/regulations/news/part97/>

73 oo

Chuck AA8VS

>From: "Chetan Bhargava" <wiz@bhargavaz.net>
>Reply-To: wiz@bhargavaz.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: FCC Rulebook -What has changed?
>Date: Mon, 29 Jul 2002 23:50:09 -0700
>
>Hi people,
>
>I'm reading FCC rulebook 1993 edition. Does anyone know whether there have
>been major changes in the latest edition?
>
>Thanks.
>
>Chetan Bhargava
><http://www.bhargavaz.net>
>
>

"If your not part of the solution,
there is good money to be made
prolonging the problem."

<http://68.43.100.7:81/aa8vs>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Tue, 30 Jul 2002 08:19:20 -0400
From: "jhecht@dnaco.net" <jhecht@dnaco.net>
To: qrp-1@lehigh.edu
Subject: [131033] Re: O'Scope gurus - help?
Message-ID: <265000-22002723012192094@M2W073.mail2web.com>
MIME-Version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-Transfer-Encoding: quoted-printable

Tracy,

The V-212 is a pretty good scope=2E I used one for years=2E I had the sa=me
problem you are describing, and discovered that one of the CRT vertical
amplifier driver transistors went out (2SA something)=2E They are very ea=sy
to spot=2E Unplug the scope from the wall and take the cover off=2E From=the
top of the scope, on the main PCB assembly, you will see a heat sink towar=d
the back of the scope=2E There should be 4 transistors mounted to the hea=t
sink (2 of the 2SA (PNP) variety and 2 of the 2SD or 2SC (NPN) variety)=2E=
=20
Check all of them=2E There is a good chance 1 or more of them are bad=2E=20=

Also, you may notice that the PC board below the heat sink is discolored=2E=
=20

If I were you, I would remove the board and look for cold solder joints in=

that area=2E If I remember correctly, you might have to remove the
transistors to check them=2E When you remove them, leave them on the heat=

sink and remove them all at the same time=2E The holes the transistor lea=ds

go through have a brass through hole piece=2E Be careful that you don't
damage them when you pull the transistors out=2E

I hope this helps, and good luck=2E

72,

Jeff - K8GD

mail2web - Check your email from the web at
<http://mail2web=2Ecom/> =2E

Date: Tue, 30 Jul 2002 06:34:06 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>

To: Chuck Adams <k7qo@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131034] Re: Persumed to be a virus from QRP ARCI
Message-ID: <Pine.LNX.4.44.0207300623000.2086-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Chuck, at least your using a mail reader that doesn't open attachments with automatic software. So if your not expecting something from that e-mail address you can just delete it.

Your e-mail address is in the address list of a lot of people who are not virus writers but do get a virus from time to time. Since your in so many lists, and since the new virus multiply by sending themselves to everyone on the e-amil list, your getting all the virus from a lot of other computers.

It's your fault because your a nice guy with lots of experiance and you help anyone who asks. There are two solutions: delete them as they come in, or change your e-mail address. I suggest that deleting a few messages a day is easier than not watching messages on TV that use music and loud voices to get your attention...

On Tue, 30 Jul 2002, Chuck Adams wrote:

>
>
> Gang,
>
> I just got an email from
>
> qrp-parci@qsl.net
>
> and I assume that the attachment is a virus. I get
> several a day now from call@some.domain and am
> getting pretty tired of it as it eats up time and energy.
> I never open any email that has an attachment.....
>
> Also the filter list on my Euroda is getting pretty long.
> Getting lots of SPAM from over seas. Looks like
> a group is trying to bring down the Internet by flooding
> it with garbage. Hope some one gets to a solution
> pretty quick.
>
> One of the reasons I don't like TV is the inordinate amount
> of time each hour spent on advertising.....

>
> FYI
>
>
>
>
> Chuck Adams, K7Q0 CP-60 k7qo@earthlink.net
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? --- Bring your own water, please.
>
>

--

Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Tue, 30 Jul 2002 08:33:48 -0500
From: W2EB <w2eb@twcnny.rr.com>
To: wb8zcc@one.net, qrp-1@lehigh.edu
Subject: [131035] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <3D4695BC.12C54A22@twcnny.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If BNC Connectors aren't constant impedance, why do they make them in
separate 50, 75, and 93 ohm varieties?

73,

Bill
W2EB

Russ Hines wrote:

>
> Hmm, I guess I shouldn't point out that BNC's aren't constant impedance
> connectors either. ;-)
>
> 73,
> Russ Hines
> WB8ZCC

Date: Tue, 30 Jul 2002 08:36:54 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [131036] Re: New Pictures on Elecraft Gallery page
Message-ID: <5.1.0.14.1.20020730083539.00a69290@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:13 PM 7/29/2002 -0400, you wrote:

> > Go to <http://www.elecraft.com> and choose the link for the Picture
> Gallery.
>
> I don't know about the rest of you, but when I looked at the pictures
> and saw those 15" long and 15" diameter coils, then looked at the 'next'
> row and saw the lighthouse...
>
> My initial reaction was "Holy xxxx look at THAT coil!"

Mike,

It does look disturbingly like a Tesla coil, doesn't it?

I'll bet it could light up fluorescent tubes for miles around.

Dave

"You can fool some of the people all of the time. That's enough to make a
living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 30 Jul 2002 08:34:14 -0700
From: "Dave Benson" <nn1g@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [131037] Rock-mite keyer- darn!
Message-ID: <000401c237de\$b1dccc20\$fc4e3b41@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

gang-

(Original message:)

From: "Chuck Adams" <k7qo@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: Rock-Mite Straight Key Mode Problem
Date: Tuesday, July 23, 2002 10:33 PM

.....

I tried this out by shorting out the dash and sure enough it goes into the straight key mode. When I short the dot line then the transmitter keys and stays keyed until I remove the dash clip to short it out. It looks like both inputs are keying the transmitter instead of the one that was not shorted on power-up. So this firmware change I'm sure Dave will correct.

I returned from a much-needed vacation late Sunday and didn't get wind of this until late yesterday. After reviewing the messages, I chanted a mantra we kit suppliers use when things of this sort happen: "Ohsh*t".

I had that feature implemented just as Chuck described, and Rod, NØRC, has posted a workaround. (Not so coincidentally- I tested the feature just as Rod described the fix in my haste to get this kit ready for Lobstercon.)

Only a few Rock-mites are implemented this way. I will be correcting the firmware this morning .If you've got the original version and you find it bothersome, feel free to return it to me for a prompt replacement.

And a piece of good news for the expectant crowd... I have plenty of parts in hand and have help lined up to begin producing these in quantity- we'll begin shipping appreciable quantities of Rock-mites starting later today.
:-)

73- Dave

Dave Benson, K1SWL
dave@smallwonderlabs.com
<http://smallwonderlabs.com>
Phone/fax 860-537-8031

Date: Tue, 30 Jul 2002 06:56:02 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Chetan Bhargava <wiz@bhargavaz.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131038] Re: FCC Rulebook -What has changed?
Message-ID: <Pine.LNX.4.44.0207300654510.2086-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

There has been a lot of changes! You will have many errors in administrative things.

On Mon, 29 Jul 2002, Chetan Bhargava wrote:

> Hi people,
>
> I'm reading FCC rulebook 1993 edition. Does anyone know whether there have
> been major changes in the latest edition?
>
> Thanks.
>
> Chetan Bhargava
> <http://www.bhargavaz.net>
>
>
>

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Tue, 30 Jul 2002 07:50:57 -0500
From: Karl Kanalz <kkanalz@gcecispc.com>
To: "'w2eb@twcny.rr.com'" <w2eb@twcny.rr.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131039] RE:BNC's Constant Impedance
Message-ID: <01C2379E.1C985160@KKANALZ>

I too, have to disagree with Russ Hines and agree with Bill, W2EB. BNC connectors were specifically designed as constant-impedance connectors, both the male ("plug") and female ("receptacle").

If, however, they are improperly installed or terminated, they may not be "constant impedance".

Check your manufacturer's specifications again, Russ. I think you'll find that they are indeed constant impedance connectors (through the connection).

Karl K - W8TIF
McKinney, Texas

-----Original Message-----

From: W2EB [SMTP:w2eb@twcnny.rr.com]
Sent: Tuesday, July 30, 2002 8:34 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Coax Adapter Loss -- Mostly Myth

If BNC Connectors aren't constant impedance, why do they make them in separate 50, 75, and 93 ohm varieties?

73,

Bill
W2EB

Russ Hines wrote:

>
> Hmm, I guess I shouldn't point out that BNC's aren't constant impedance
> connectors either. ;-)
>
> 73,
> Russ Hines
> WB8ZCC

Date: Tue, 30 Jul 2002 08:59:59 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [131040] stores in Boston area?
Message-ID: <5.1.0.14.1.20020730085824.00a73ec0@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Can anyone recommend any radio or parts/surplus stores in the Boston area?
I'll be visiting the corporate office in Wilmington MA later this week, and might have a chance to get out and do some shopping.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 30 Jul 2002 09:08:19 -0400
From: "Rick Tyler" <rp.tyler@worldnet.att.net>
To: <k8pz@earthlink.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131041] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <00b201c237ca\$2d95aae0\$0ee6540c@ricktyle>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> or
>
> "When you only use a hammer, every problem starts to look like a nail."
>
> 73,
> Steve ..

or

"Every tool is a hammer, except chisels. They're screwdrivers"

73, Rick

Date: Tue, 30 Jul 2002 07:35:03 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131042] UPDATED: the Rock-Mite files
Message-ID: <008101c237cd\$e9a47dd0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Folks,

A note about power supply usage, from Dave, K1SWL, Rock-Mite inventor, has been added to the Rock-Mite files.

"the Rock-Mite files" <http://www.radioactivehams.com/~n0rc/rm/>

73, Rod N0RC

Date: Tue, 30 Jul 2002 06:43:45 -0700 (PDT)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@lehigh.edu>
Subject: [131043] One more BB - #46
Message-ID: <20020730134345.93259.qmail@web11601.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Had a great time! Seemed like condx were not quite as good as last year but that could have been that big ridge of mountains to the west I was trying to heave my signal over.

Wind blew down my kanga pole supported inverted vee 3 times during the contest. Then with about 15 minutes left, I looked up there and couldn't find one of the antenna wires... had a one sided dipole. Hit tune and the k2 bravely loaded it up on 20 anyway but no more Q's. Highlight might have been working Montana (can't remember the call) with the antenna laying on the ground!

See ya next year.

Gary

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://members.fortunecity.com/gdslagel>

Do You Yahoo!?
Yahoo! Health - Feel better, live better
<http://health.yahoo.com>

Date: Tue, 30 Jul 2002 09:42:24 -0400
From: "W2WU" <w2wurjj@verizon.net>
To: <kkanalz@gceecisp.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131044] RE:BNC's Constant Impedance
Message-ID: <000a01c237cf\$95b7bdc0\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

See "MIL STANDARD RF CONNECTOR HANDBOOK", also see Amphenol Connectors (two loose leaf binders) cover RF connectors. They are constant Z. - Ron W2WU

----- Original Message -----

From: Karl Kanalz <kkanalz@gceecisp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: 30 July, 2002 08:50
Subject: RE:BNC's Constant Impedance

> I too, have to disagree with Russ Hines and agree with Bill, W2EB. BNC
> connectors were specifically designed as constant-impedance connectors,
> both the male ("plug") and female ("receptacle").
>
> If, however, they are improperly installed or terminated, they may not be
> "constant impedance".
>
> Check your manufacturer's specifications again, Russ. I think you'll find
> that they are indeed con-stant impedance connectors (through the
> connection).
>
> Karl K - W8TIF
> McKinney, Texas
>
> -----Original Message-----
> From: W2EB [SMTP:w2eb@twcnny.rr.com]
> Sent: Tuesday, July 30, 2002 8:34 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Coax Adapter Loss -- Mostly Myth
>
> If BNC Connectors aren't constant impedance, why do they make them in

> separate 50, 75, and 93 ohm varieties?
>
> 73,
>
> Bill
> W2EB
>
> Russ Hines wrote:
> >
> > Hmm, I guess I shouldn't point out that BNC's aren't constant impedance
> > connectors either. ;-)
> >
> > 73,
> > Russ Hines
> > WB8ZCC
>

Date: Tue, 30 Jul 2002 07:45:05 -0600
From: "Rod N0RC" <rod@n0rc.us>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131045] Get Ready to "ROCK-MITE" was Re: Rock-mite keyer- darn!
Message-ID: <008701c237cf\$506fb010\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

OK Folks,

>From the horses mouth, Rock-Mites are ready to ship!

Now don't forget my "Rock-Mite file" website. View the site here:

<http://www.radioactivehams.com/~n0rc/rm/>

read about the site here:

http://www.radioactivehams.com/~n0rc/rm/Stories/The_Rock-Mite_Files.txt

Looking forward to receiving and posting your ideas and pictures on "the Rock-Mite files".

73, Rod N0RC

----- Original Message -----

From: "Dave Benson" <nn1g@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Tuesday, July 30, 2002 9:34 AM

Subject: Rock-mite keyer- darn!

...

>

> And a piece of good news for the expectant crowd... I have plenty of parts

> in hand and have help lined up to begin producing these in quantity- we'll

> begin shipping appreciable quantities of Rock-mites starting later today.

> :-)

...

Date: Tue, 30 Jul 2002 06:51:10 -0700

From: "K7FD N7SG" <k7fd@hotmail.com>

To: elecrafft@mailman.qth.net, qrp-l@lehigh.edu

Subject: [131046] Re: New Pictures on Elecraft Gallery page

Message-ID: <F264LqzYN02sL8WXJKQ0001fc37@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

WOW WOW WOW! regarding Dale W40P's homebrew receiver in Elecraft enclosure...

www.elecrafft.com

...waaaay too cool. Where do I sign up for one?

73 John K7FD

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<http://www.hotmail.com>

Date: Tue, 30 Jul 2002 09:52:40 -0400
From: brewerj@squared.com
To: qrp-l@lehigh.edu
Subject: [131047] help requested-> What RX to build to match OLD MFJ station
Message-ID: <0FC1CBCC71.34E9748F-ON85256C06.004B3C48@CIS.SQUARED.COM>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Several questions for the group:

I found an old MFJ 40M transmitter and the rarely seen VF0. These are both built in the old familiar Radio Shack type cabinets. I figure I can use my old (of the same mid 70s vintage) audio filter that matches them.

I have two requests for help. I'd like to find at least one similar box to build a receiver in. I know radio shack marketed them as well. They were about 5" deep, about 2" tall and maybe 3" wide, with ventilation slots in the side. I searched local Rat Shacks to no avail. Does anyone have one they're not using, that theyd consider selling?

Also, can anyone recommend a small, receiver (kit would be great, plans ok too) that might cover the bottom 100kc of the 40m band? I'd like to build it into the cabinet mentioned above.

Thanks in advance for your help

John wb5oau/4
QRP-L #452

Date: Tue, 30 Jul 2002 09:01:55 -0500
From: "Jerry Bartachek" <leadsheet@musician.org>
To: qrp-l@lehigh.edu
Subject: [131048] RE: Responses To My Patcomm Query
Message-ID: <20020730140155.48503.qmail@mail.com>
Content-Type: text/plain; charset="iso-8859-1"
Content-Disposition: inline
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

I received a nice bunch of responses to my post about

"dearth of Patcomm info". Several responders and I got into chatting back and forth via e-mail about the subject. That was most welcome.

5 repliers already own or intend to purchase a Patcomm PC500 or PC9000 very soon. They liked the simplicity of operation and several praised Patcomm's customer service. Especially noteworthy in their praise was that the SCAF filter was effective and afforded quiet reception of CW signals.

Several replies made sure I knew that Ten-Tec and Elecraft made better rigs than Patcomm. Some of these owned Patcomms.

A couple of replies indicated defective rigs with poor customer service resolutions. Problems included multiple birdies, general malfunction, noisy reception.

A few replies specifically suggested that the FT-817 would best fill my need for a 2nd rig / portable rig.

72 / 73,
Jerry L. Bartachek K00CA
QRP-L #544
QRP ARCI #5166
FISTS #7064

--

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<http://adfarm.mediaplex.com/ad/ck/990-1736-3566-59>

Date: Tue, 30 Jul 2002 13:00:31 -0400
From: Howard Wilson <wa2ncf@juno.com>
To: qrp-l@lehigh.edu
Subject: [131049] Keypad for Frequency Entry
Message-ID: <20020730.130032.-1821539.0.wa2ncf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Looking for info on a keypad that will permit direct frequency on a Yaesu FT-817 for blind hams.

Tnx, Howie WA2NCF

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 30 Jul 2002 09:05:27 -0500
From: Mike <mmorrow@companet.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131050] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <3D469D27.7AD6@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Karl Kanalz wrote:

> As for "RCA Phono Connectors", I can't speak to the issue of the "black
> plastic" versions, but if the ceramic insulation versions that were
> used by Collins (32S-x, KWM-x series) and Heathkit, they are
> guaranteed to work.

Often the ceramic cracks and falls out of the connector as the plug is inserted and removed over the years. Take a look at the back of the old Collins and Heath gear and very often the ceramic insert will be damaged or missing.

Even the military version of the KWM-2A, the AN/FRC-93, used the RCA connectors. But many hams (myself included) were put off by top-dollar Collins S-line rigs using RCA phono connectors. That's just as well, since I could never have afforded any S-line radio.

Mike / KK5F

Date: Tue, 30 Jul 2002 15:21:28 +0100
From: "Leon Heller" <leon_heller@hotmail.com>
To: "Low Power" <qrp-l@lehigh.edu>
Subject: [131051] MRX-40 input filter

Message-ID: <DAV70nrJI6xDxZGTHeh00016888@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just modeled the MRX-40 input filter with SPICE, and found that it peaks at about 7.4 MHz, rather than 7.1 MHz.

I then added a small capacitance (5 pF) across the 1.5 K load to represent strays and input capacitance, and found that it was about right. Still, the recommended moulded choke probably has a tolerance of 10% and the capacitors are probably 5%, so it might be good idea to check the input circuit response and tweak it if necessary. I'd be inclined to use a toroidal inductor.

Anyway, the worst-case additional loss is probably less than 1 dB, and not worth bothering about, unless you are a pedantic purist like me. 8-)

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Tue, 30 Jul 2002 08:12:42 -0600
From: William R Colbert <w5xe@juno.com>
To: dodgeboy@mindspring.com, qrp-l@lehigh.edu
Subject: [131052] Re: OT: mobile power wire size?
Message-ID: <20020730.082411.-379389.0.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When I used to install mobile radio systems in vehicles, uhf, vhf and hf, the minimum size wire we used was #8 stranded and if that was not on hand, we used #10 paralleled for short runs. The old Motorola and GE power cables of many years ago had two #8 wires in most with a #8 ground wire in the same molded cable run. Ground was to the motor block AND to the body and frame. Power as well as ground from the separately installed distribution block are fused. Remember to take the leads from the battery and remove jewelry when doing this type work - 100+ amps of current do nasty things to rings and watches!!!!

73
Ray

"The more you read about politics, you got to admit
that each party is worse than the other.
The one that's out always looks the best." -Will Rogers
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M
NARTE-NCT2R QRP-ARCI 5784, El Paso, (FAR WEST) TEXAS

Date: Tue, 30 Jul 2002 10:47:10 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [131053] meter (and case) for portable swr meter
Message-ID: <3.0.6.32.20020730104710.007b0410@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I stopped by Wal-Mart on the way home and sure enough, they have the little
VOM's for \$9.97 back in the electrical/hardware section. So, what the heck,
I bought one. Turns out to be 2.5" x 4" x 1". 2000 ohms/volt or 500 ua
meter, should do the trick.

Looks to have enough room on the back cover to mount a couple of BNC or RCA
jacks, up behind the meter, where the ohms scale battery would go. A
Stockton bridge, made with T37-43 cores looks like it will also fit on the
back cover, without having to remove the meter's switch/resistor board.
That will work out nice, as can rewire and use the range switch to select
Forward/Reverse. Plus, can leave the DC volt and milliamp functions intact.
So, not only will it be a SWR meter, it will be a DC volt meter too, which
could be handy ;-) I'm thinking the logarithmic ohms scale will translate
into a power scale nicely. Maybe. I'll post pictures and what not when I
get the meter modified, maybe in a day or two. Looks like it's gonna work
out great!

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 30 Jul 2002 10:39:43 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <n5nw@n5nw.org>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131054] Re: (88' doublet) RE: Conjugate Matching Demonstration
Message-ID: <20020730144117.HFR21884.imf10bis.bellsouth.net@[192.168.0.20]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 7/29/02 12:37 PM, Marty N5NW at n5nw@n5nw.org wrote:

>Exactly true, however the benefit to this length/design is that unlike the
>102 or 125 and greater lengths, the 88 ft. will still provide the dual-lobe
>pattern on 20m and all bands in between, given appropriate height above
>ground.

Yes. Note that LB Cebik's modeling is done at 100 feet (!!!). I doubt
very few of the staunch 88 foot proponents have their antennas this high.

Lowering the antenna has a big effect on the pattern, especially for the
lower bands.

>If the antenna is supposed to be a single band, then go for the resonant
>dipole, but for multi band use, Cebik makes an excellent case for the 88 ft
>length. Long enough for 80, short enough to keep the pattern simple on 20.

Note that Cebik designed this antenna as an 80m-20m antenna (and the 44
foot model works the same from 40m-10m at a height of 50 feet). Above
20m, it will exhibit a more complex pattern, replete with the nulls he
was trying to avoid at 20m and below.

Cebik's intent was for this to be a "backup" antenna, although it should
work adequately as a primary antenna.

>And, as Cebik points out, antenna performance is all about pattern control
>and radiation efficiency.

The radiation efficiency of an 88 foot versus a 102 or 125 foot doublet
shouldn't have any significant differences.

The patterns largely depend on the height above ground. Odd that we don't
talk much about this factor, just the length of wire. Hence, my point --
the length of wire isn't so terribly important.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 30 Jul 2002 10:52:07 -0400
From: Ed Lawson <k1vp@grizzly.com>
To: leadsheet@musician.org
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131055] Re: Responses To My Patcomm Query
Message-ID: <3D46A817.4090603@grizzly.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Jerry Bartachek wrote:

>Several replies made sure I knew that Ten-Tec and Elecraft
>made better rigs than Patcomm. Some of these owned Patcomms.

>
>
>
>

I wonder on what basis they compared TenTec and Elecraft rigs. A bit unfair to compare a built rig selling for \$395 with say a Jupiter for around \$1100 or a kit K2 for around same price. Of course the DSP Jupiter and the K2 are better in many respects. They are better than the DSW too, but we all know the DSW is a great little rig in its own right. Same for the Patcomm 500. The Patcomm 500 is way better than the Scout except for power and is the closest TenTec rig for an apples to apples comparison.

Ed Lawson
K1VP

Date: Tue, 30 Jul 2002 10:12:18 est
From: brian@iquest.net
To: Joseph Mikuckis <k3chp@erols.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131056] Re: Most Wanted States
Message-ID: <3d46acd2.1857.0@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WY, MT, DE, WV, and maybe KS

In my humble opinion.

HI is doable thanks to the HI QRP club!

>DXers keep a list of most wanted countries. It would be interesting to
>see the five most wanted states as far as the QRP-L ham community is
>concerned. I will post the results if the response is significant
>enough.

>

>Joe, K3CHP

>Frederica, DE

>

>

>

Date: Tue, 30 Jul 2002 10:03:52 -0500

From: "Tim, N9PUZ" <n9puz@arrl.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [131057] Re: (88' doublet) RE: Conjugate Matching Demonstration

Message-ID: <200207301458.JAA20730@zinc.eosinc.com>

Mime-Version: 1.0

Content-Type: text/html; charset="US-ASCII"

Content-Transfer-Encoding: quoted-printable

<HTML><HEAD>

</HEAD>

<BODY>

<div> On Tue, 30 Jul 2002 10:39:43=
-0400, Bill Coleman wrote:

 >

>The patterns largely depend on the height above ground. Odd that=
we

>don't talk much about this factor, just the length of wire.=

Hence,

>my point -- the length of wire isn't so terribly important.

>

</div>

<div> I have never delved into=
antenna modeling. Is there a particular length or type of wire=
antenna that offers more circular (less null areas) coverage at=
heights in the 30-40 ft range? That is a more practical height=
for me and I suspect a lot of other people. Just=
curious.
</div>

<div> </div>

 <div><FONT FACE=3D"Verdana"=
SIZE=3D3> Tim <n9puz@arrl.net>
</div>

</body></html>

Date: Tue, 30 Jul 2002 10:52:03 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: qrp-1@lehigh.edu
Cc: neqrp@jona1.net
Subject: [131058] NEQRP SSB NET tonight Tuesday 7:30PM EDST 7.285Mhz +- 5Khz
Message-ID: <OFF2A7FF5F.65F9B60D-ON85256BF2.0041CDB8@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Not many check-ins this summer but we still have fun.

Hope the storms pass before tonight.

However, I do want to thank all who have supported the net.

Ron - N1ZSW

Date: Tue, 30 Jul 2002 09:27:19 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rod N0RC <rod@n0rc.us>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131059] Re: Get Ready to "ROCK-MITE" was Re: Rock-mite keyer- darn!
Message-ID: <Pine.LNX.4.44.0207300924440.2600-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Rod, I won a ROCK-MITE at the Fort Tuthill QRP awards give away and can't wait to get it built! But it's behind a lot of Honey Does and learning to work a Smith chart.

On Tue, 30 Jul 2002, Rod N0RC wrote:

> OK Folks,
>
> >From the horses mouth, Rock-Mites are ready to ship!

--
Yours Truly,

- Karl F. Larsen, (505) 524-3303 -

Date: Tue, 30 Jul 2002 10:20:44 -0500
From: <jfox6@houston.rr.com>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [131060] Counterpoise
Message-ID: <00dc01c237dc\$ac50bb60\$0100a8c0@houston.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who responded to the counterpoise question.
The best of all responses was.... GO FOR IT! HI!

Thanks all,

73
Foxy
jfox6@houston.rr.com
<http://www.qsl.net/w5hir>

Date: Tue, 30 Jul 2002 15:35:25 +0000
From: "Alan Fryer" <N3BJ@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [131061] WTB: Norcal NC-20/40 or Red Hot 40
Message-ID: <0E36V5F74d5WN0wBVPF00003241@hotmail.com>

Wanted: Norcal NC-20 converted to 40M per the official mod or Red Hot 40. Would consider standard NC-20, working or non-working, also.

Please let me know what you have that is surplus to your needs.

Alan, N3BJ
Bent Mountain, VA

Date: Tue, 30 Jul 2002 09:37:01 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@lehigh.edu>

Cc: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>
Subject: [131062] SLV question
Message-ID: <Pine.LNX.4.33.0207300927420.30486-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was very fortunate to come into the possession of 2 poles for an SLV antenna...plus the associated hardware plus a coil for 80 - 10 and a coil for 40 - 10 mtrs...I got these South Bend 20 foot Model SD-20 poles from Frank, KL0SW, at the Glacier/Waterton hamfest...thanks a million Frank!...

...one question that has come up is has anyone erected one of these SLVs on their property in a permanent or semi-permanent fashion?...I have a garage roof that's just begging to have some kind of antenna on it and so I was thinking about putting an SLV on it...

...of course one must realize that my qth is located in Saskatchewan where we have winter longer than summer eh!?...thank you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 30 Jul 2002 11:43:55 -0400
From: Tim ORourke <TORourke@kaiserft.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@lehigh.edu>
Subject: [131063] Re: Responses To My Patcomm Query
Message-ID: <0514B74864ACD511934400508BBB5E3415F821@EMAIL1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Let me throw my 2 pennies worth in. I own TenTec, K2, 817 and abt 30 other QRP rigs along with the Patcomm PC500. You would be hard pressed to find even a used rig that has as many features and performance as offered by the PC500, and the service is absolutely top notch. For most users the PC500 would be all the rig u need and u can add 6 meters for a song. It is not a K2, a Tentec or an 817 but it does have very nice performance and very versatile. I wonder if those comments made from others are from those who actually have used this rig or just their perceived opinion?
Tim KG4CHX (W4YN on 8/1/02)

Date: Tue, 30 Jul 2002 11:42:32 -0400
From: "Mark J. Dulcey" <mark@buttery.org>
To: WD8CIV@worldnet.att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131064] Re: stores in Boston area?
Message-ID: <3D46B3E8.6060205@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

David Hinerman wrote:

> Can anyone recommend any radio or parts/surplus stores in the Boston
> area? I'll be visiting the corporate office in Wilmington MA later this
> week, and might have a chance to get out and do some shopping.

Boston, alas, is no longer the surplus mecca it once was. Old-timers will remember places like Poly-Paks and Meshna; they are long gone. Nor are there any ham radio dealers left; they're victims of high real estate costs and the lack of sales tax in neighboring New Hampshire.

Here are some places I know about that remain. I hope some other Boston area people will fill me in on more!

Active Electronics (<http://www.activestores.com>): two stores in the Boston area: Woburn (Cummings Park / Washington St.) and Cambridge (First St.). Lots of digital ICs, a reasonable collection of analog ICs (including the MC1350, a popular IF amp in a lot of QRP designs, but no NE602/SA602/SA612), capacitors, connectors, enclosures (mostly the small sizes), tools. Oddly enough, their stock of fixed resistors is somewhat limited. They also don't have any low-dropout regulators, and they don't tend to have the very latest microprocessor parts. All in all, the best retail source of electronic parts around here.

You-Do-It Electronics (<http://www.youdoitelectronics.com/>), Needham: the old-fashioned TV and electronic parts store on steroids, plus a second floor stocked with an eclectic mix of consumer electronics. Lots of parts of all descriptions (more than Active), but they tend to be expensive (priced for the repair market). An extensive selection of enclosures, and they're displayed on shelves, so you can look them over. They also sell test equipment, tools, scanners, CB and business band radios, and ARRL books, but no ham gear.

Abbott Electronics, 155-C New Boston St., Woburn (781-935-2040): an old-fashioned parts distributor. Again, stuff tends to be priced for the repair market, and the enclosures are behind the counter. But they also have some Bargain Counter items in the store, which are frequently

incredibly cheap; definitely worth the visit if you're in the neighborhood. I found a web address for them online (<http://www.abbottonline.com>), but it doesn't seem to work.

E.L.I (formerly Eli Heffron and Sons), Hampshire St., Cambridge: Once a good source of surplus parts, but no more. These days, they mostly have old computer workstations and workstation components. Not surprisingly for a store in Massachusetts, they've got a lot of stuff from Digital.

If you have the time for the hour drive (from Boston; it's probably only a half hour from Wilmington) to Salem, NH, there is an HRO (<http://www.hamradio.com>) store there. As mentioned above, no sales tax. The staff is clueful, and they sometimes have interesting deals on demo and used equipment. Aside from those, however, they don't sell anything you won't find in any other HRO store.

A bit farther up the road in Manchester, NH, there's Resources Un-Ltd. (<http://www.resunltd4u.com/>). An authentic surplus company with an eclectic mix of stuff. Check the web site first to see if they have anything that looks interesting to you.

If you're in the area on the third Sunday of any month from April to October (it sounds like you won't be this time, alas), the Flea at MIT (<http://web.mit.edu/w1mx/www/swapfest.html>) is worth a visit. Lots of stuff, though it tends more toward computer equipment than radio gear.

Date: Tue, 30 Jul 2002 11:45:24 EDT
From: K5BDZ@aol.com
To: kd1jv@moose.ncia.net, qrp-1@lehigh.edu
Subject: [131065] Re: meter (and case) for portable swr meter
Message-ID: <182.bdac62a.2a780e94@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 07/30/2002 9:38:38 AM Central Daylight Time, kd1jv@moose.ncia.net writes:

> Looks to have enough room on the back cover to mount a couple of BNC or RCA
> jacks, up behind the meter, where the ohms scale battery would go.

Suggestion: make the RF pick-up in a small housing separate from the meter box... reasoning??? you can make one pick-up sensor for HF, you can make another pick-up sensor for VHF, and yet another for UHF.... with just a "3.5mm stereo jack" on the back of the meter housing.

OR you can make a QRP sensor, QRO sensor, and all sorts of other gizmos that attached thru the "stereo jack"...

Bill K5BDZ

Date: Tue, 30 Jul 2002 10:55:15 -0700
From: "Tracy Markham" <tracy@bytemark.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <jhecht@dnaco.net>
Subject: [131066] RE: O'Scope gurus - help?
Message-ID: <GNEOLGDDJOPEALHJMKLCCEOICHAA.tracy@bytemark.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Awesome!!

I will definitely check into that when I open the scope tomorrow nite ... I have had several great replies and I think I have a good direction to go ... thank you all so much, looking forward to learnin s'more!!

Tracy

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of jhecht@dnaco.net
Sent: Tuesday, July 30, 2002 5:19 AM
To: Low Power Amateur Radio Discussion
Subject: Re: O'Scope gurus - help?

Tracy,

The V-212 is a pretty good scope. I used one for years. I had the same problem you are describing, and discovered that one of the CRT vertical amplifier driver transistors went out (2SA something). They are very easy to spot. Unplug the scope from the wall and take the cover off. From the top of the scope, on the main PCB assembly, you will see a heat sink toward the back of the scope. There should be 4 transistors mounted to the heat sink (2 of the 2SA (PNP) variety and 2 of the 2SD or 2SC (NPN) variety). Check all of them. There is a good chance 1 or more of them are bad. Also, you may notice that the PC board below the heat sink is discolored. If I were you, I would remove the board and look for cold solder joints in that area. If I remember correctly, you might have to remove the transistors to check them. When you remove them, leave them on the heat sink and remove them all at the same time. The holes the transistor leads

go through have a brass through hole piece. Be careful that you don't damage them when you pull the transistors out.

I hope this helps, and good luck.

72,

Jeff - K8GD

mail2web - Check your email from the web at
<http://mail2web.com/> .

Date: Tue, 30 Jul 2002 11:22:29 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: <qrp-l@lehigh.edu>
Subject: [131067] Alinco DR 570 FS
Message-ID: <034301c237f6\$11227ab0\$f8811c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got a nice 2 mtr 70 CM xcvr, mobile mount, mic and larsen magmount antenna...good condition and shipped USA for \$200. thanks...John...KF7OM

Date: Tue, 30 Jul 2002 13:51:23 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "Joseph Mikuckis" <k3chp@erols.com>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>,
 "qrp-l reflector" <qrp-l@lehigh.edu>
Subject: [131068] RE: Most Wanted States = *North Dakota*
Message-ID: <4120027230185123676@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Joe:

Will be interesting to see what you discover. My guess is that North

Dakota will likely be among the top five [g].

73,

--Doc/K0EVZ

> [Original Message]

> From: Joseph Mikuckis <k3chp@erols.com>

> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

> Date: 7/30/2002 5:23:25 AM

> Subject: Most Wanted States

>

> DXers keep a list of most wanted countries. It would be interesting to
> see the five most wanted states as far as the QRP-L ham community is
> concerned. I will post the results if the response is significant
> enough.

>

> Joe, K3CHP

> Frederica, DE

--- wilford lindsey

--- dock0evz@earthlink.net

--- EarthLink: The #1 provider of the Real

Date: Tue, 30 Jul 2002 14:13:31 -0500

From: Jim Crooke <crooke@prodigy.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [131069] RE: Most Wanted States = *North Dakota*

Message-ID: <5.1.0.14.0.20020730141208.00a7d708@pop3.norton.antivirus>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:51 PM 7/30/2002 -0500, wilford lindsey wrote:

>Joe:

>

>Will be interesting to see what you discover. My guess is that North

>Dakota will likely be among the top five [g].

>

>73,

>--Doc/K0EVZ

Nope, you're wrong Doc. You are everywhere and everyone should have worked

you by now :-)

73 es oo de Jim KJ0C
Healer of Brachycephalics and other fine looking creatures
in Springfield, MO
FP # -108 and semi-official veterinarian of the Flying Pigs QRP Club
PITA #2 SOC #37

Date: Tue, 30 Jul 2002 15:22:14 -0400
From: W2AGN <w2agn@w2agn.net>
To: wilford lindsey <dock0evz@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131070] RE: Most Wanted States = *Wyoming*
Message-ID: <3D46AF26.11821.15201995@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 30 Jul 2002 at 13:51, wilford lindsey wrote:

> Joe:
>
> Will be interesting to see what you discover. My guess is that North
> Dakota will likely be among the top five [g].
>
> 73,
> --Doc/K0EVZ

Well, WV is common around here. Delaware is more available now. Montana was well
represented in the Bumblebee Contest! I would have to put Wyoming as my #1 (as
it's the ONLY one I need)

--

/ \ / \ / \ / \ / \ John L. Sielke
(W) (2) (A) (G) (N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Tue, 30 Jul 2002 15:27:04 -0400

From: "Ken La Rose" <kenlar@csolve.net>
To: <qrp-1@lehigh.edu>
Subject: [131071] VE3ELA/VE3JC Bee Report
Message-ID: <000701c237ff\$2f50ae40\$6cd1acce@kenlar>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The wind gathered strength and gusted angrily with awesome force. Suddenly without warning, our fibreglass antenna mast split and buckled with a sickening crunch. The whole mess then toppled to the ground. Later we discovered Environment Canada issued a severe weather disturbance warning, and a tornado touched down far north of us.

This was the worst moment for us during FOBB 2002. The best was earlier, when we had climbed down the steep rocky path from an old dismantled fire tower site: our operating position. Dodging a wary rattlesnake, we swam and savoured respite from the stifling, energy-sapping heat and humidity, and the brutal, biting bugs!

John, VE3JC and I canoed and were camped here in Lost Channel on the Severn River, in central Ontario. Saturday evening we activated 40 meters. His QRP Plus and N2CX Gusher inverted V fan dipole performed impressively. We netted contacts across North America, even a couple in the U.K.

I brought my new Argonaut II to show off. But the battery refused to hold its charge, and my solar panel could not keep pace with the current demand. Plus, the telescopic mast for my antenna support broke, too. And, I forgot to bring a coax connector adapter. These misfortunes convinced me to accept JC's offer to share his station for the event.

When the contest began, 40 meters served well for short skip QSOs, 20 meters was unstable with lengthy, deep fading, and 15 meters seemed to be open - but lonely. It was heartening to observe the level of operator skill and participation in FOBB 2002.

I learned alot about preparedness - especially pre-testing my complete setup before venturing far afield. Thanks to Russ and ARS for sponsoring this unique event. It's been a continuous, (mostly) enjoyable and rewarding learning experience for me every year!

72, de Ken VE3ELA

Date: Tue, 30 Jul 2002 15:32:32 -0400

From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-1@lehigh.edu
Subject: [131072] RE: Most Wanted States = *Wyoming*
Message-ID: <F24ScxtcmoIWdNIwQT200038db5@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I found Wyoming not to bad, once the [lone] Amateur had is radio on and I caught him..... HI HI That and Montana were my tough two.

73 oo

Chuck AA8VS

>From: W2AGN <w2agn@w2agn.net>
>Reply-To: w2agn@w2agn.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: Most Wanted States = *Wyoming*

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Tue, 30 Jul 2002 12:37:47 -0700
From: Rich McGee <rmcgee@csusb.edu>
To: qrp-1@lehigh.edu
Subject: [131073] Random-Length Long Wires - How Long?
Message-ID: <5.1.1.6.0.20020730123244.00b42f48@mail.csusb.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

OK, this is one I can't find in any of my reference books, and I'm curious about the answer. If I'm using an external tuner to match a random length of wire (i.e. tossed into the trees while camping) is there any "optimum" length for the primary bands? Are there any performance changes if, for example, I string out an odd wavelength multiple for the frequency I'm using? Has anyone ever modeled this?

Thanks!

Rich de KY60

Date: Tue, 30 Jul 2002 12:44:01 -0700
From: "johngabbard" <johngabbard@usintouch.com>
To: <qrp-1@lehigh.edu>
Subject: [131074] Alinco mobile FS
Message-ID: <000d01c23801\$748f5b30\$f8811c0c@juanita>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will accept a good HT in trade for my Alinco mobile...?...john KF70M

Date: Tue, 30 Jul 2002 14:52:48 -0500
From: Karl Kanalz <kkanalz@gcecisp.com>
To: "'rmcgee@csusb.edu'" <rmcgee@csusb.edu>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [131075] RE: Random-Length Long Wires
Message-ID: <01C237D8.CDFF00E0@KKANALZ>

I think you'll find, Rich, that "random wire" means just that: RANDOM

If you're using a tuner, what do you care that the wire is any particular length, other than the fact that it may be well too short for your chosen band of operation. Have you consulted the ARRL Antenna Book or the ARRL Handbook? They both provide some good advice, but I'd suggest at least a quarter-wave length for the lowest band of interest.

Don't forget a counterpoise from the tuner as well! It will improve your antenna efficiency.

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Rich McGee [SMTP:rmcgee@csusb.edu]
Sent: Tuesday, July 30, 2002 2:38 PM
To: Low Power Amateur Radio Discussion
Subject: Random-Length Long Wires - How Long?

OK, this is one I can't find in any of my reference books, and I'm curious about the answer. If I'm using an external tuner to match a random length of wire (i.e. tossed into the trees while camping) is there any "optimum" length for the primary bands? Are there any performance changes if, for example, I string out an odd wavelength multiple for the frequency I'm

using? Has anyone ever modeled this?

Thanks!

Rich de KY60

Date: Tue, 30 Jul 2002 15:44:26 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [131076] Re: stores in Boston area?
Message-ID: <009201c23802\$15430900\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, there's HRO up in NH, but that's just a generic candy store.

There is a parts place down in RI, but really the pickings are kind of slim. In Pawtucket, but the name escapes me right now.

Mike

----- Original Message -----
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, July 30, 2002 8:59 AM
Subject: stores in Boston area?

> Can anyone recommend any radio or parts/surplus stores in the Boston
area?
> I'll be visiting the corporate office in Wilmington MA later this week,
and
> might have a chance to get out and do some shopping.
>
> Dave
>
> -----
> "You can fool some of the people all of the time. That's enough to make
a
> living." - Lance Burton
> -----

> Dave Hinerman
> WD8CIV@worldnet.att.net
>
>

Date: Tue, 30 Jul 2002 16:02:54 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: rmcgee@csusb.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131077] Re: Random-Length Long Wires - How Long?
Message-ID: <3D46F0EE.FE29AC5F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What does the name say? The name says RANDOM LENGTH long wire. Now, what is random length; 10 feet, 100 feet, 1000 feet!

In actual practice random length means that the antenna reaches exactly from here to there! It is usually a non resonant length, because if resonant or even 1/2 wavelength it becomes hard to match!

Quarter wave long wires are also a little hard to match, but they are easier than 1 wavelength!

Now, to you question. I have used wires as short as 20 feet and as long as 150 feet. I used a 45 foot wire from 1982 through 1996. the 20 foot wire was used with an L network tuner on 80 and 40 meters. I worked stations up and down the east coast.

The 45 foot wire was also fed via an L network tuner. It had the advantage of a good RF ground. It was also used on 80 and 40, plus all the other bands!

The 150 foot wire is what I use today. It has been fed with a variety of different tuners and has worked well with all of them! It also has the advantage of a good RF ground!

73

Date: Mon, 29 Jul 2002 12:32:49 -0700
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [131078] Re: Patcomm website
Message-ID: <20020729193249.GD4427@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Mon, Jul 29, 2002 at 02:29:59PM -0400, David J. Adams wrote:
> Anyone know if the patcomm website is down, moved (I have
> www.patcomm.net), or gone offline?
>

It appears to be redirected to www.patcommradio.com, but this does not
resolve to an IP address.

Bob, N7XY

--
Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S
n7xy@n7xy.net

Date: Tue, 30 Jul 2002 15:42:58 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "George, W5YR" <w5yr@att.net>
Cc: <qrp-l@lehigh.edu>
Subject: [131079] Re: Sampling audio waves such as voice
Message-ID: <009901c23809\$b01e6bc0\$4e100a0a@rohredt2000>

Yes, Nyquist rate! (Middle Age is heck.) Of course, the Nyquist rate is
very important to the Shannon work. But, Nyquist Rate is that you must
sample a signal two samples per cycle to get a faithful digital value for
it, from which it can be reconstructed. For 2000 Hz voice band, in the
example, you would have to have an A/D clock all the components up to 2000
Hz, at 4000 Hz to get enough samples to reconstruct the voice.

Thanks, George W5YR. :-)
-72 , Stuart

Date: Tue, 30 Jul 2002 16:45:30 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [131080] Re: Patcomm website

Message-ID: <5.1.0.14.1.20020730164223.00a74050@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:32 PM 7/29/2002 -0700, you wrote:

>On Mon, Jul 29, 2002 at 02:29:59PM -0400, David J. Adams wrote:

> > Anyone know if the patcomm website is down, moved (I have

> > www.patcomm.net), or gone offline?

> >

>

>It appears to be redirected to www.patcommradio.com, but this does not
>resolve to an IP address.

Folks,

I just now tried www.patcommradio.com and it's up.

FWIW, When you do a Google search, many of the match entries will have a link underneath that says "Cached." Google keeps local copies of many of the pages it indexes, so if a particular site is down sometimes you can find parts of it duplicated at Google.

Dave

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 30 Jul 2002 16:45:57 -0400
From: W2AGN <w2agn@w2agn.net>
To: Bob Nielsen <nielsen@oz.net>, nielsen@oz.net,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131081] Re: Patcomm website
Message-ID: <3D46C2C5.13022.156CC1CB@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 29 Jul 2002 at 12:32, Bob Nielsen wrote:

> On Mon, Jul 29, 2002 at 02:29:59PM -0400, David J. Adams wrote:
> > Anyone know if the patcomm website is down, moved (I have
> > www.patcomm.net), or gone offline?
> >
>
> It appears to be redirected to www.patcommradio.com, but this does not
> resolve to an IP address.
>
> Bob, N7XY
>
> --
> Bob Nielsen, N7XY n7xy@n7xy.net
> Bainbridge Island, WA
> IOTA NA-065, USI WA-028S

http://www.patcommradio.com works now. It is one of the 'QTH.NET' family of web
pages and so has been screwed up for a couple of days.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) http://www.w2agn.net
_ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Tue, 30 Jul 2002 20:48:19 +0000
From: Larry Cahoon <lejek@erols.com>
To: k3chp@erols.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131082] Re: Most Wanted States
Message-ID: <5.1.0.14.0.20020730204049.00bab618@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Even the county hunters have their needs list - check out
<http://www.cquest.com/cgi-bin/flynn/needs.bat>

But to answer Joe's question I went back to the log and did a few
quires. What you need depends on what you are trying to do. So here is a
list of the three least worked states in each of several ways. All are
based on my home QTH in MD.

Total	HI, AK, DE
QRP	AK, HI, WY
QRPp	HI, WY, AK
10 Meters	IN, KY, ME
15 Meters	DE, TN, WV

20 Meters DE,, HI, AK
40 Meters AK, MT, NV
80 Meters AK, NV, KS
160 Meters AK, MT,SD (I still need AK for WAS on 160 - I might get it if I
put the antenna back up)

Take the number with some cautions. That is the least number of times I've
worked each state. For example I have DE in the log 20 times on 20
meters. So it really is not rare for me on that band. It's just that I've
worked the other states more than 20 times on on 20 meters.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

Date: Tue, 30 Jul 2002 17:14:01 +0000
From: ve3ab@mail.mondenet.com
To: qrp-l@lehigh.edu
Cc: antbb@yahoo.com
Subject: [131083] Re: Where to get QRP Plus fixed now-I have some info.
Message-ID: <200207302116.g6ULGKw09583@mail.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Im real sorry to hear that Stan is a SK. He really helped me get my
QRP plus going. Im doing some simple repairs here. IE. I have
replaced one of the SBL1 mixers to get my receiver going again. Im
going to enhance the procedure by making a type of surface mount
socket for the SBL1..should the problem ever re-occur ..or if i want
to experiment with another DBM module. I have some honeywell
mixers in my junkbox. It will have to be a custom made socket
using scrap components and pieces.

Are you the chap that has had his QRP+ locked on to 7041khz
and it wont qsy? Or am I mixing you up with another fellow?
Another thing I can do in limited quantities is program memory chips.
I have a UNISITE programmer at work..and I could perhaps make a few
memory chips in my spare time. I also have a good collection of files
on my computer and as well ..I think the QRP+ has a link to some
good large files(in two parts) on the QRP+. 73 Earl VE3AB

Date: Tue, 30 Jul 2002 17:31:50 -0400
From: Fred Lesnick <flesnick@tbaytel.net>

To: k7qo@earthlink.net, QRPL <qrp-1@lehigh.edu>
Subject: [131084] Re: Persumed to be a virus from QRP ARCI
Message-ID: <3D4705C6.99A4C63F@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just got home from work and checking my email..

I just had 6 emails from within the MT63 reflector that contain the W32Klez worm, make that 7 now, and emails are still download, number 9 so far now..

Fred
VE3FAL

Chuck Adams wrote:

>
> Gang,
>
> I just got an email from
>
> qrp-parci@qsl.net
>
> and I assume that the attachment is a virus. I get
> several a day now from call@some.domain and am
> getting pretty tired of it as it eats up time and energy.
> I never open any email that has an attachment.....
>
> Also the filter list on my Euroda is getting pretty long.
> Getting lots of SPAM from over seas. Looks like
> a group is trying to bring down the Internet by flooding
> it with garbage. Hope some one gets to a solution
> pretty quick.
>
> One of the reasons I don't like TV is the inordinate amount
> of time each hour spent on advertising.....
>
> FYI
>
> Chuck Adams, K7QO CP-60 k7qo@earthlink.net
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? --- Bring your own water, please.

Date: Tue, 30 Jul 2002 17:39:50 -0400
From: "w8diz" <w8diz@fpqrp.com>

To: <rsstone@juno.com>, <qrp-1@lehigh.edu>
Subject: [131085] Re: SBL-1
Message-ID: <002201c23811\$a2b781d0\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Ron,

I'm just picky :-)

They have a "slightly" lower conversion gain, but you are right, practically speaking, they are the same thing.

Just got a quote from MiniCircuitsLabs for both type in volume of 100 pieces...SBL-1 is 5.10 and the TUF-1 is 4.70, way too high for building cheap kits, so I think I will design my own. Gonna experiment tonight using FT37-61 and FT37-43 toroids, two sig gens and my HP3585 spectrum analyzer. Also will use 1N4148 diodes (matched). Then I will compare my results to the "real" SBL-1.

Should be interesting and fun. Any suggestions on any of the above?

Also sending this the the "LIST" for any other suggestions...

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39.218N - 84.305W
SOC-8 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 10X-9389 CATT-26
FP#-1 <http://home.cinci.rr.com/w8diz> & <http://kitsandparts.com>

----- Original Message -----

From: <rsstone@juno.com>
To: <w8diz@fpqrp.com>
Sent: Tuesday, July 30, 2002 5:25 PM
Subject: SBL-1

Hi Diz,

I'm curious as to why you don't want to use a TUF-1. I'm asking because I'm using a TUF-1 in a project instead of a SBL-1 because I see them as reasonably close substitutes. What drawback do you see to them? Thanks for your help.

73,

Ron (KA3J)

Date: Tue, 30 Jul 2002 14:48:06 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [131086] Re: MRX-40 input filter
Message-ID: <MABBJOEABOILMKCJCLFCKEJPDHAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Leon

Several years ago we built a bunch of the MRX40 for a Pacificon operating event.

To make a more interesting front end, I used a large toroid inductor for a Q of over 300.

I figured it would give me better front end selectivity and a bit more input voltage step up for a bit more gain. It worked.

After Pacificon, from my home near San Francisco, I worked a station in Oklahoma. I was using my TunaTin II transmitter with it at the time, at about .25 watts out on 40m.

Surprisingly effective little station.

73, Bob N6WG

Date: Tue, 30 Jul 2002 17:40:57 -0400
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <dodgeboy@mindspring.com>
Subject: [131087] Re: mobile power wire size?
Message-ID: <00e801c23812\$729920c0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My trusty old CRC Handbook (boy is that a great book!) indicates you should expect about a half a volt drop, but as others have pointed out, at 20 amps, each connector and fuse plays a bigger role than you would expect, and the ground has to carry that current, too.

The other surprise I got was how quickly the resistance goes up with temperature ... a little less than 1% per degree C, so if the wire runs through some hot places, that could play a role.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "Dave Benham" <dodgeboy@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, July 30, 2002 12:22 AM
Subject: OT: mobile power wire size?

> I'm trying to help my son who appears to have an excessive amount of voltage

Date: Tue, 30 Jul 2002 14:57:51 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@lehigh.edu>
Subject: [131088] RE: Most Wanted States = *North Dakota*
Message-ID: <MABBJ0EAB0ILMKCJCLFCCEKBDHAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, Doc, if we could get you on 160m in the winter, you would be in demand.

Still need ND for my QRP WAS on 160m :-)

73, Bob N6WG

Date: Tue, 30 Jul 2002 15:08:54 -0700
From: "Jerry Parker" <qrp-radio@charter.net>
To: <qrp-l@lehigh.edu>
Subject: [131089] Ft. Tuthill
Message-ID: <022301c23815\$b2c4b620\$36f5cd18@charterpipeline.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a GREAT TIME.

It is always so nice to go to Ft. Tuthill
with the unique flavor provided by
the camping within walking distance
of the Symposium, the GREAT SPEAKERS,
goodies for sale at the swapfest not to
mention the super hospitality of the
AZsqrpions headed up by Bob and
Bertie Hightower and Jeff Johnson.

A GREAT BIG THANKS from
Jerry (WA6OWR), Amanda (KF6DFZ)
and Jimmy

72

Jerry

Date: Tue, 30 Jul 2002 18:31:18 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [131090] HB: SWR meter and VOM
Message-ID: <3.0.6.32.20020730183118.007b7990@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Okay, Instead of doing any *real* work today, I buit up the SWR meter in a
VOM case. It came out pretty nice. Not only is it smaller and lighter than
my other "field" SWR meter, it's a functional volt meter! Details of the
finished product can be seen at:
<http://www.qsl.net/kd1jv/swrmeter.HTM>

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 30 Jul 2002 18:09:42 -0400
From: Rick McKee <kc8aon@juno.com>

To: qrp-1@lehigh.edu
Subject: [131091] Re: mobile power wire size?
Message-ID: <20020730.182812.8966.8.kc8aon@juno.com>

Use 6 gauge wire, and run wire both to the pos and neg terminals of the battery. Don't depend on a simple frame ground at the radio equipment - RUN THE WIRE TO THE BATTERY ! And make sure you fuse both AT THE BATTERY ! Yes, I said fuse the negative wire too ! This protects the radio in case you loose a vehicle ground and the starter tries to ground back throught the radio - SIZZLE ! A frame ground at the radio is most likely a high impedance ground at best, so the wire ran direct to the neg terminal of the battery will help eliminate some voltage drop there.

Rick McKee, KC8AON
Willow Wood, Ohio
QRP - Do more with less !

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Date: Tue, 30 Jul 2002 17:33:16 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "qrp-1 reflector" <qrp-1@lehigh.edu>,
"Bob Tellefsen" <n6wg@earthlink.net>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [131092] RE: Most Wanted States = *North Dakota*
Message-ID: <4120027230223316371@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Bob and Gang:

I'm not kidding about North Dakota being rare. I have only worked that state on 40 Metres and 2 Metres. My 5 band WAS project continues to languish [g]. DXpedition, anyone?

73,
--Doc/K0EVZ

> [Original Message]
> From: Bob Tellefsen <n6wg@earthlink.net>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

> Date: 7/30/2002 4:57:51 PM
> Subject: RE: Most Wanted States = *North Dakota*
>
> Well, Doc, if we could get you on 160m in the winter, you would be in
> demand.
> Still need ND for my QRP WAS on 160m :-)
> 73, Bob N6WG

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real

Date: Tue, 30 Jul 2002 18:28:08 -0400
From: Rick McKee <kc8aon@juno.com>
To: qrp-l@lehigh.edu
Subject: [131093] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <20020730.182812.8966.9.kc8aon@juno.com>

AND SCREWDRIVERS ARE PRYBARS !

On Tue, 30 Jul 2002 09:08:19 -0400 "Rick Tyler"
<rp.tyler@worldnet.att.net> writes:
>> or
>>
>> "When you only use a hammer, every problem starts to look like a
>nail."
>>
>> 73,
>> Steve ..
>
>or
>
>"Every tool is a hammer, except chisels. They're screwdrivers"
>
>73, Rick
>
>

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 30 Jul 2002 15:50:24 -0700
From: Conrad Weiss <radman@best.com>
To: "'Steven Weber'" <kd1jv@moose.ncia.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [131094] RE: SWR meter and VOM
Message-ID: <01C237E0.D2277B40@209-162-48-185.thegrid.net>

Steve,

Nice work, OM !! FYI... you've got an error in the URL you posted.

You posted: <http://www.qsl.net/kd1jv/swrmeter.HTM>

Should read: <http://www.qsl.net/kd1jv/swrmeter.HTM>

Keep up the good work :)!

Best,

Conrad Weiss
NN6CW

From: Steven Weber[SMTP:kd1jv@moose.ncia.net]
Sent: Tuesday, July 30, 2002 3:31 PM
To: Low Power Amateur Radio Discussion
Subject: HB: SWR meter and VOM

Okay, Instead of doing any *real* work today, I buit up the SWR meter in a VOM case. It came out pretty nice. Not only is it smaller and lighter than my other "field" SWR meter, it's a functional volt meter! Details of the finished product can be seen at:
<http://www.qsl.net/kd1jv/swrmeter.HTM>

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 30 Jul 2002 18:50:29 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <kc8aon@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [131095] Re: Coax Adapter Loss -- Mostly Myth
Message-ID: <006a01c2381b\$81cd8f00\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> AND SCREWDRIVERS ARE PRYBARS !

I thought that screwdrivers were just small chisels.

Except for Philips. Aren't they awls?

Mike

End of QRP-L Digest 2632

